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WHEELING CORRUGATING CO.

WHEELING, W-VA.
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INTRODUCTORY.

EMBOSSED STEEL CEILINGS,
CORRUGATED SHEETS,
IRON & STEEL ROOFINGS,
TIN & TERNE PLATES,
EAVES TROUGHS,
CONDUCTOR PIPES,
GALVANIZED SHEETS,
BLACK SHEETS,
CRIMPED SHEETS FOR
CORNICE MAKERS.

TO OUR PATRONS, the Architects, Builders and Dealers in Building Materials, we respectfully present this book.

ARCHITECTS and BUILDERS appreciate the complete line of embossed steel ceilings and side walls here shown, the high plane of artistic excellence attained, and the perfection and simplicity of our method of application. Your attention is respectfully directed to the High Grade Roofing Plates, Conductor Pipes and other wares presented, some of which are not equalled by any article of the same class of other manufacture, and none of which are excelled.

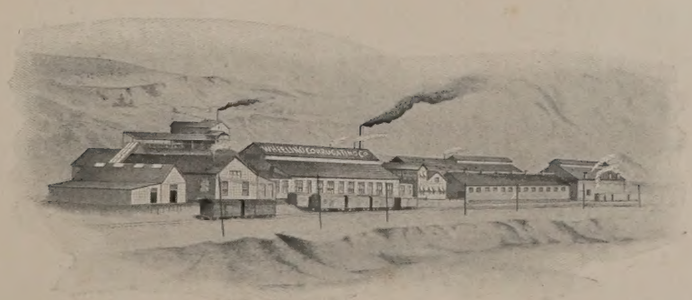
DEALERS regard our productions, which have acquired a national reputation, as the standard of excellence, because of the universal satisfaction with which they are received by their customers. It will be our constant aim to merit a continuation of the patronage and appreciation of our patrons by adhering strictly to our original policy of manufacturing only the very best wares that can be produced.

Information and prices will be cheerfully furnished from either our main or branch offices.

WHEELING CORRUGATING CO.,

WHEELING, W. VA.

New York, No. 81 Fulton St.
Chicago, No. 472 Laflin St.
St. Louis, Cor. 12th and Poplar Sts.



THE WERNER COMPANY, AKRON, O.

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TERMS

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WHEELING, W. VA.

WORKING PLANS

SHOWING the arrangement of ceiling material shipped are furnished in all cases where a diagram of the room to be ceiled is furnished us, and detailed plans showing the method of applying the material are made. When desired, we can furnish experienced men to erect the material, charging for their time, transportation and board. If a diagram of the room to be ceiled is furnished, with the distances from point to point, and with the size and shape of offsets indicated, we can make more intelligent estimates, and, if desired, submit a design free of charge for the approval of the customer. As our draughtsmen are busy at all times on accumulated work, customers desiring drawings should furnish their diagrams as early as possible.

In all cases inform us of the height of the room and the distance between the tops of the window and door casings and the ceiling line, so that a cornice of suitable depth can be used.

If no choice of design is indicated, we will prepare an artistic arrangement of plates suitable for the shape of the room and the purpose for which it is to be used.

The advantages of steel ceilings as a modern substitute for wood or plaster ceilings scarcely need comment. The expense of repair, and the annoyance and danger of falling plaster, have demonstrated the necessity of a fire and water-proof material which will not crack or warp.

Our Patent Continuous and Panel Ceilings and Side Wall Patterns combine these essentials in handsome and artistic designs that are light and elegant in appearance, simple and practical in construction, and capable of the highest ornamentation. The matching points between patterns are concealed by beads which enter into the general design and are not noticeable.

Especial attention is called to the great diversity of effects obtainable in the wide range of designs presented.

PRICES.

The prices named are for the steel primed white on both sides, and include all necessary wood strips for furring, brackets and special nails for applying.

The furring strips are applied with 2½ inch wire nails. If these strips and nails for applying the strips are not desired, we will allow for same at the rate of 35c. per square. The nails and brackets for applying the ceiling plates, moldings and cornices, are indispensable and always shipped. The weight of ceiling boxed for shipment, is about 65 pounds per square, or nearly ⅔ pounds to the square foot. The furring strips weigh about 30 pounds per square.

We also manufacture sheets of all sizes of lengthwise, crosswise or double corrugations.

A LIBERAL DISCOUNT TO THE TRADE.

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WHEELING CORRUGATING CO.,
WHEELING, W. VA.

DIRECTIONS FOR APPLYING

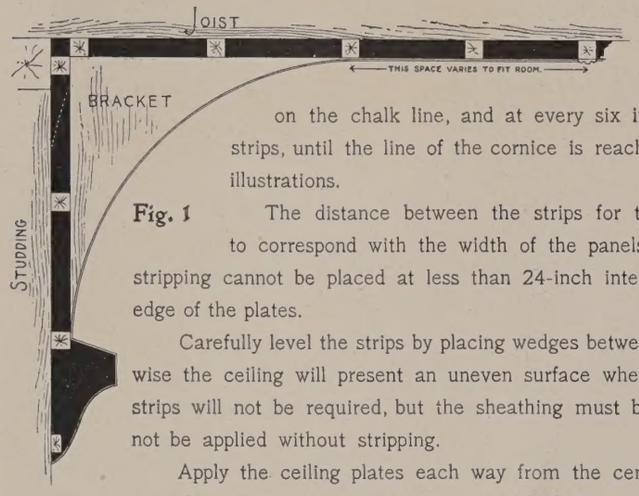

Fig. 1

STRIKE a chalk line across the joists at right angles through the center of the room. On this line nail, with 2½-inch wire nails, ⅞ x ⅞-inch wood strips, so that the center of the strips will be on the chalk line, and at every six inches from center to center, on each side of this strip, nail additional strips, until the line of the cornice is reached; then strip to suspend brackets, as indicated in the accompanying illustrations.

The distance between the strips for the panel plates, Nos. 223, 224, 226, 227, 228 and 229, must be made to correspond with the width of the panels, 6, 12 or 24 inches, as the case may be. For those plates in which the stripping cannot be placed at less than 24-inch intervals, a cross strip should be inserted to permit nailing all around the outer edge of the plates.

Carefully level the strips by placing wedges between the strips and the joists, to bring them all to a uniform depth, otherwise the ceiling will present an uneven surface when completed. When the ceiling is to be applied to sheathing, furring strips will not be required, but the sheathing must be level. Panel Ceilings (plates 223, 224, 226, 227, 228 and 229) cannot be applied without stripping.

Apply the ceiling plates each way from the center, consulting the plan as to the position of moldings, centers, etc. Lap the gauged edges over the unfinished edges of the adjoining plates, and keep the lapping edges running from the light. If each piece is carefully lapped the beads will be straight and true and the joints not noticeable, as they become part of the general design.

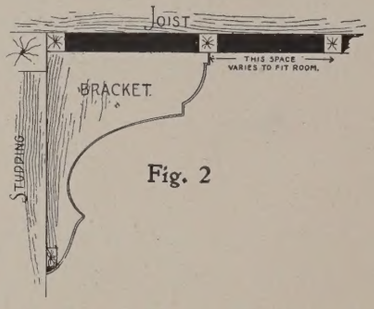

Fig. 2

Nail the ceiling to the strips with the 1⅛-inch cone head nails, nailing through the center of the buttons every six inches. To insure rigidity and uniformity of surface on panel designs, it is necessary to nail only at the points provided, as the deep embossing affords the necessary rigidity. Use a sharp punch for making the nail holes where there are more than two thicknesses of metal. If a cornice is used, the pattern of which extends on the ceiling to take up the odd size of the room, as shown in Fig. 1, leave the outer edge of the ceiling plate or molding unnailed, to allow the cornice to slip under the plates; then nail as before. If the cornice used has not such a filling pattern, a border or filler plate is used between the cornice and the molding or field of the ceiling, as shown in Figs. 2 and 3, which border plate must be cut to the width necessary and lap under the field plates.

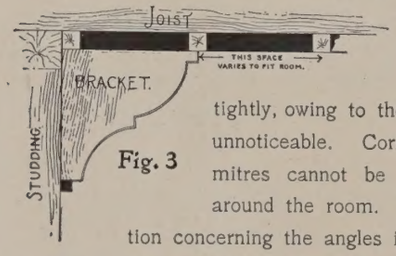

Fig. 3

Hammer down or "swedge" with a small dull tool any joints which may not have lapped tightly, owing to the lapping beads becoming twisted or flattened in applying. This renders all joints tight and unnoticeable. Cornices of stamped designs, as in Fig. 2, are to be coped or mitred at all angles, as stock mitres cannot be formed at the factory on account of the embossed design, which must match continuously around the room. Mitres are furnished with cornices No. 151 to 157, inclusive, when customers furnish information concerning the angles in which they are to be used. Sufficient brackets are shipped to be placed at every joint.

Fig. 1 represents the method of applying cornices Nos. 176, 215, 217 and 251. Fig. 2 shows the method of applying cornices Nos. 220, 221 and 222. Fig. 3 shows the method of application of cornices Nos. 151 to 157, inclusive. The profiles of each of these cornices differ, but the application of all cornices of each class is the same.

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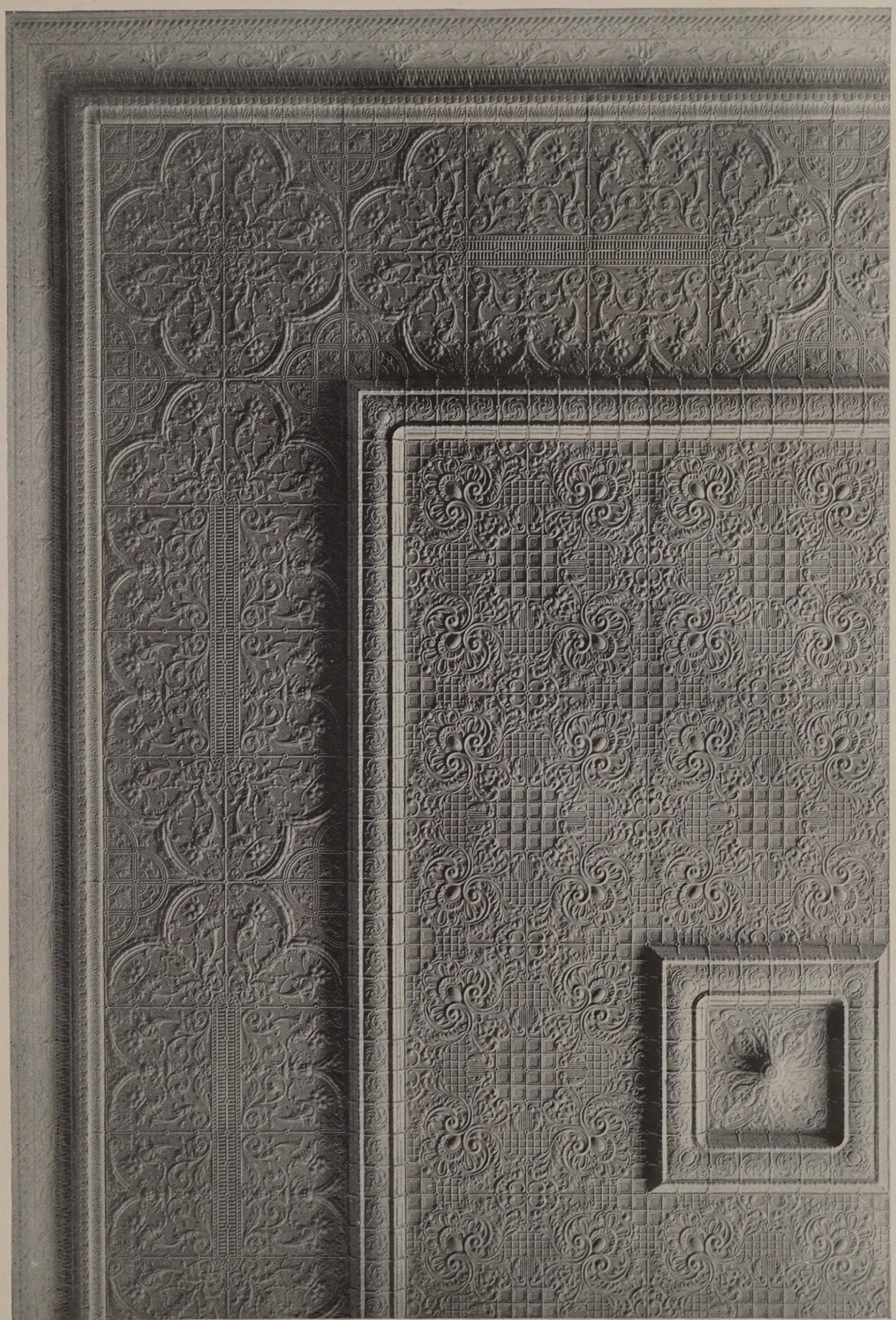
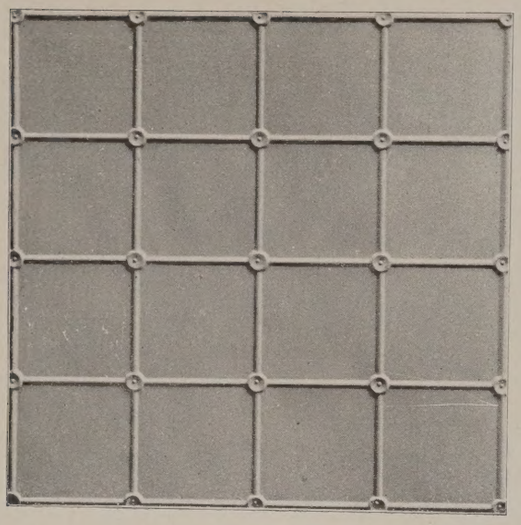


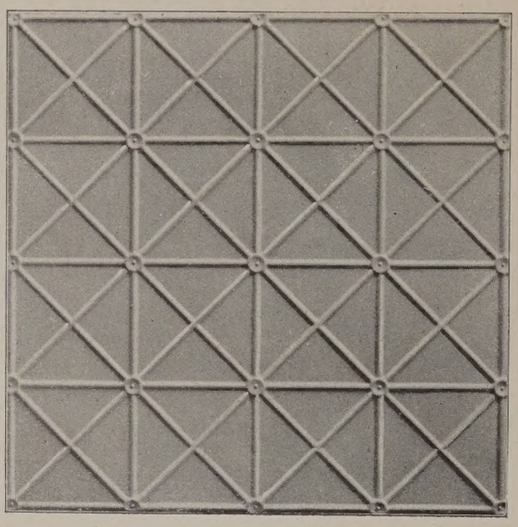
Design No. 1026. Corner section, 14 x 21 feet. List price, based on room 26 x 42 feet, 11 cents per square foot.

Composed of Foot Mold 191, Cornice 220, Molding 182, Border Plates 204 and 205, Molding 192, Ell 195, Field Plates 212, Center 1050.

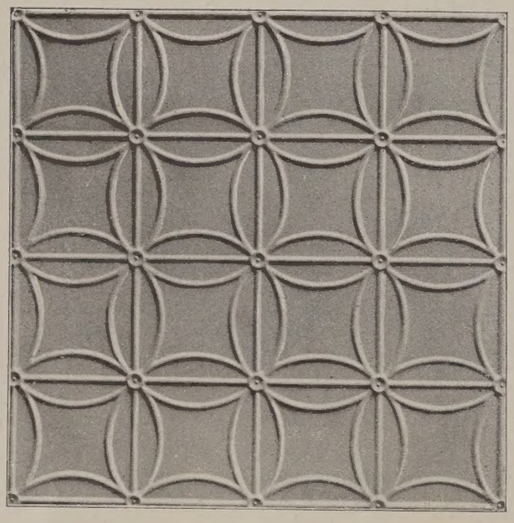
NOTE—The variation in the length and width of rooms frequently necessitates the use of a filler plate of suitable width, next to the cornice, to throw the field into multiples of twelve inches.



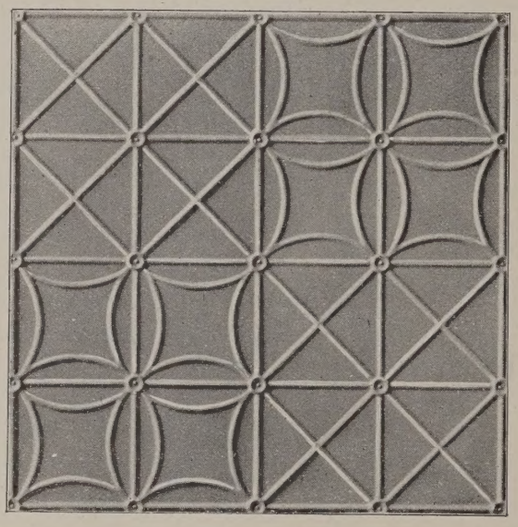
No. 142. 24 x 24 inches. $8.00 per square



No. 146. 24 x 24 inches. $8.00 per square.



No. 162. 24 x 24 inches. $8.00 per square



No. 164. 24 x 24 inches. $8.00 per square.

No. 175. 24 x 24 inches. $8.00 per square.

No. 177. 24 x 24 inches. $8.00 per square.

Center No. 180. 24 x 24 inches. $2\frac{3}{8}$ inches deep. 50 cents each.

Center No. 181. 24 x 24 inches. 5 inches deep. 60 cents each.

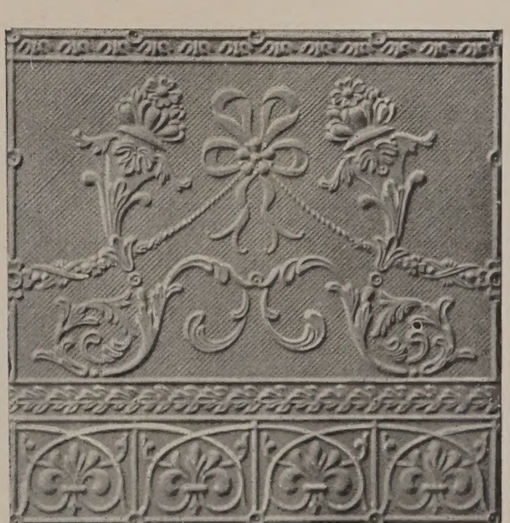
Observe the manner of enriching these Centers, as shown on pages 23 to 27.

No. 184. 24 x 24 inches. $8.00 per square.

No. 187. 24 x 24 inches. $8.50 per square.

For Side Walls, Strips not included in price.

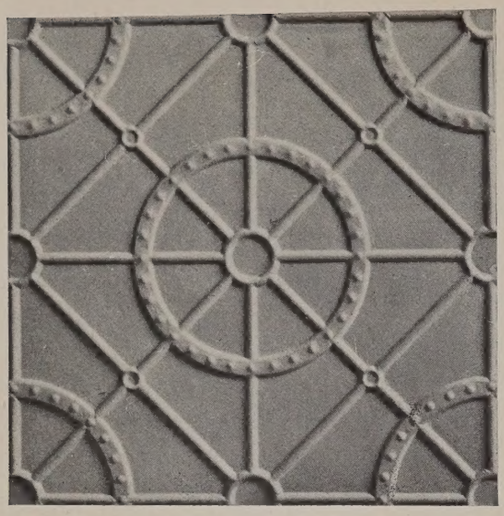
No. 188. 24 x 24 inches. $9.00 per square.



No. 203. 24 x 24 inches. $9.00 per square.

Plate No. 188 is a sectional plate, to be used as shown on page 28, or in combination with Plate No. 203, as shown on page 34.

Plate 203 forms a frieze, as shown on page 19.



No. 199. 24 x 24 inches. $8.00 per square.

For high ceilings: cheaply applied. Requires furring strips every 12 inches only. Cannot be used with other plates or moldings on account of larger beads.

No. 200. 24 x 24 inches. $9.00 per square.

No. 204. 24 x 24 inches. $9.00 per square.

No. 205. 24 x 24 inches. $9.00 per square.

Plate 204 is a sectional plate to be used as shown on page 29 or in combination with Plate 205, as shown on page 34.

Plate 205 is shown as a frieze on page 19.

Frieze Plate No. 189. 24 x 24 inches. $9.00 per square.

For continuous section see page 19.

No. 206. 24 x 24 inches. $9.00 per square.

No. 207. 24 x 24 inches. $9.00 per square.

No. 208. 24 x 24 inches. $10.00 per square.

No. 209. 24 x 24 inches. $9.00 per square.

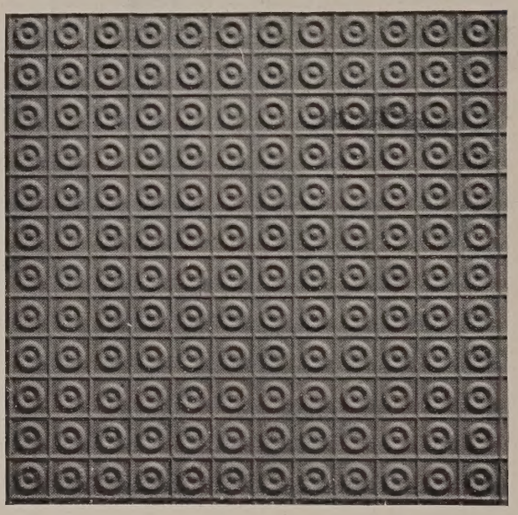
Plate No. 209 is also used as a Center. See pages 23 to 27.

No. 210. 24 x 24 inches. $9.00 per square.

No. 211. 24 x 24 inches. $9.00 per square.

No. 212. 24 x 24 inches. $9.00 per square.

No. 216. 24 x 24 inches. $8.00 per square.



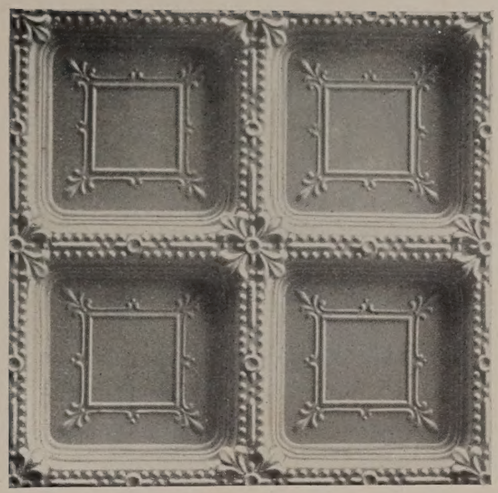
No. 219. 24 x 24 inches. $8.00 per square.

Plates 216 and 219 can be furnished in 24, 48 or 96 inch lengths; but unless otherwise ordered 24 x 24 inch plates will be shipped.

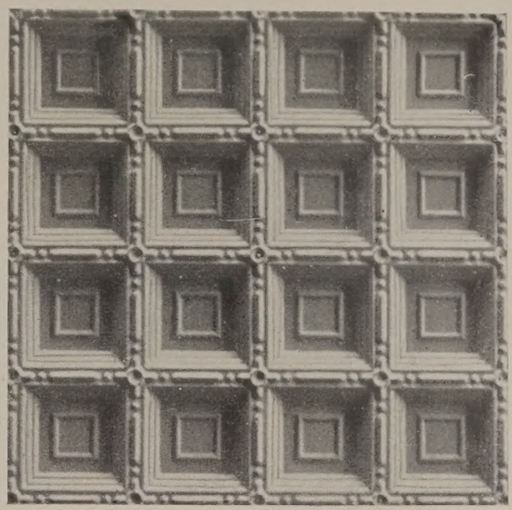
Wainscot. Plate No. 250. 27 x 48 inches. $10.00 per square.

NOTE WELL: In furnishing diagrams too much care cannot be used in indicating all measurements and EVERY offset and opening in the rooms, distances from point to point, and the space between the top of window and door frames and the ceiling line, for cornice.

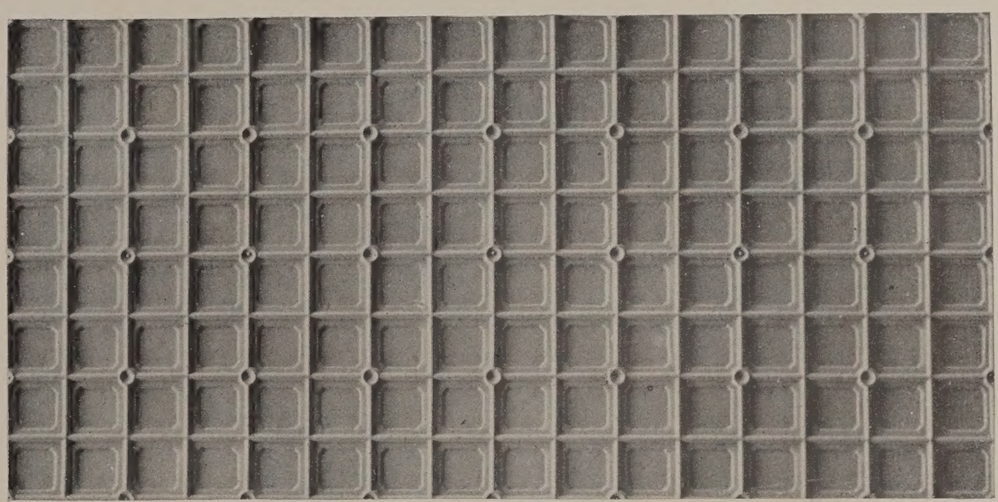
Our drawings are made from the measurements given us, and the material is furnished and should be applied as shown on them, otherwise confusion will result from shortages, etc., for which we will not be responsible.



No. 223. 24 x 24 inches. $9.00 per square.



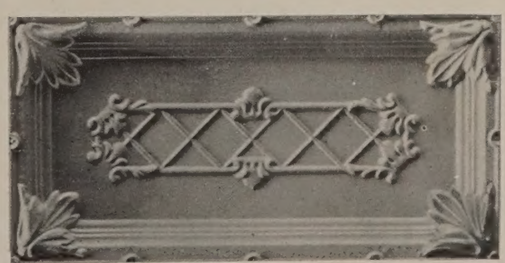
No. 224. 24 x 24 inches. $9.00 per square.



No. 225. 24 x 24 and 24 x 48 inches. $8.00 per square.

Unless otherwise ordered, 24 x 24 inch Plates will be shipped.

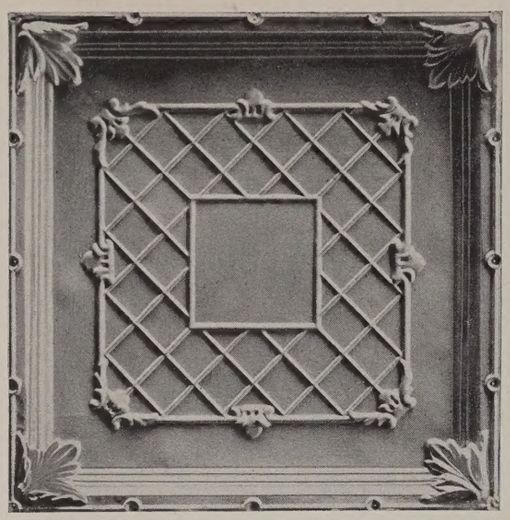
No. 226. 12 x 12 inches. $9.00 per square.



No. 227. 12 x 24 inches. $9.00 per square.

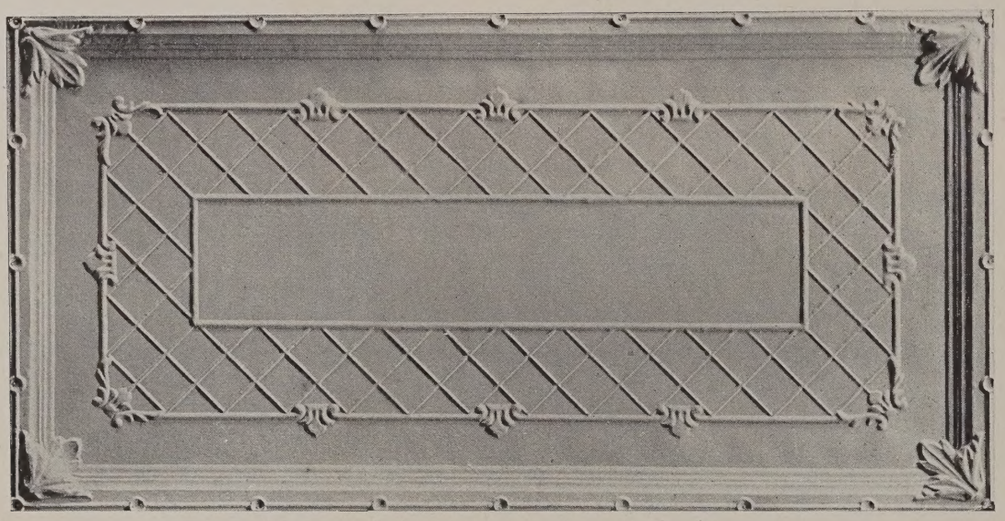
Panels 223 to 229, inclusive, should be applied only on furring strips; flat plates (162, 204, 208, etc.) can be applied to sheathing if desired.

Strips for furring are not furnished for side walls, except when panel plates are to be used. When paneled side walls are desired, the window and door frames must be of such depth that the furring strips will not project beyond them.



No. 228. 24 x 24 inches. $9.00 per square.

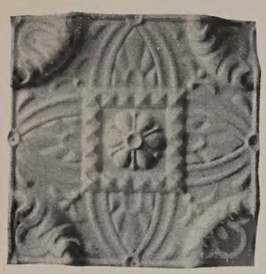
No. 254. 24 x 24 inches. $8.00 per square.
Be particular in applying this plate to have the figure shown in the upper left-hand corner in the same position on each successive plate.



No. 229. 24 x 48 inches. $9.00 per square.

No. 214. 24 x 32 inches. $9.00 per square.

Molding No. 169. 12 x 2 inches. 10 cents per lineal foot.



Cross No. 170. 12 x 12 x 2 inches.
13 cents each.

Tee No. 171. 12 x 12 x 2 inches.
13 cents each.

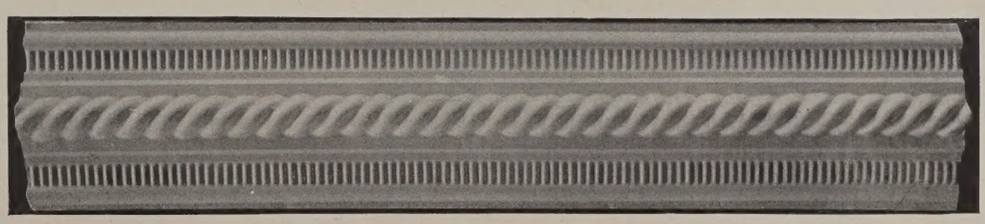
Ell No. 172. 12 x 12 x 2 inches.
13 cents each.

Molding No. 192. 12 x 2¾ inches. 12 cents per lineal foot.

Cross No. 193. 12 x 12 x 2¾ inches.
15 cents each.

Tee No. 194. 12 x 12 x 2¾ inches.
15 cents each.

Ell No. 195. 12 x 12 x 2¾ inches.
15 cents each.



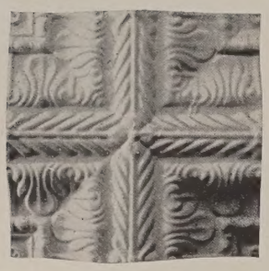
Molding No. 234. 9 x 1¾ inches. 9 cents per lineal foot.

Cross No. 235. 9 x 9 x 1¾ inches.
13 cents each.

Tee No. 236. 9 x 9 x 1¾ inches.
13 cents each.

Ell No. 237. 9 x 9 x 1¾ inches.
13 cents each.

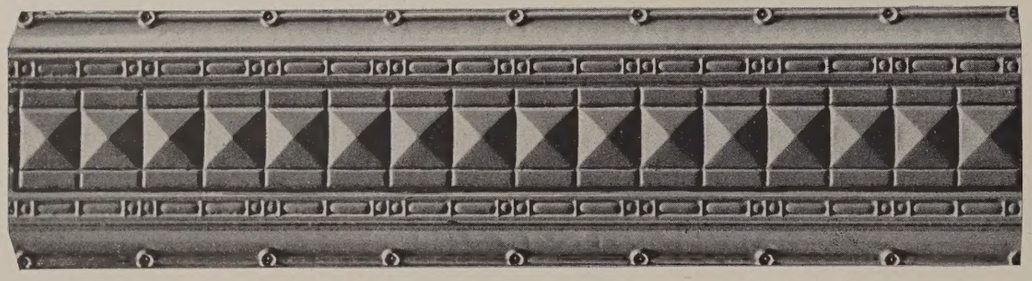
Molding No. 241. 12 x 1¾ inches. 12 cents per lineal foot.



Cross No. 242. 12 x 12 x 1¾ inches.
15 cents each.

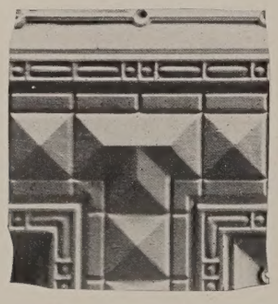
Tee No. 243. 12 x 12 x 1¾ inches.
15 cents each.

Ell No. 244. 12 x 12 x 1¾ inches.
15 cents each.

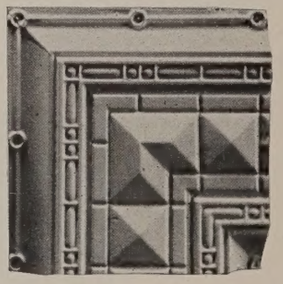


Molding No. 246. 12 x ⅞ inches. 10 cents per lineal foot.

Cross No. 247. 12 x 12 x ⅞ inches.
13 cents each.

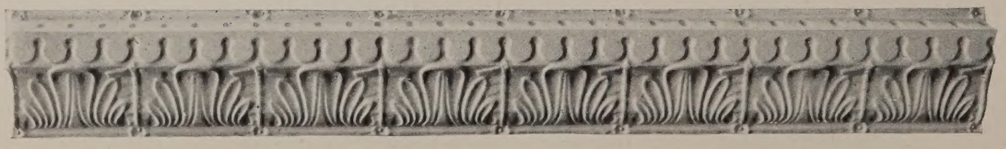


Tee No. 248. 12 x 12 x ⅞ inches.
13 cents each.



Ell No. 249. 12 x 12 x ⅞ inches.
13 cents each

Ell No 183. 6 x 6 x 2⅛ inches. 6 cents each



Molding No. 182. 6 x 2⅛ inches. 8 cents per lineal foot.

Molding No. 230. 6 inches by 1 inch. 7 cents per lineal foot.

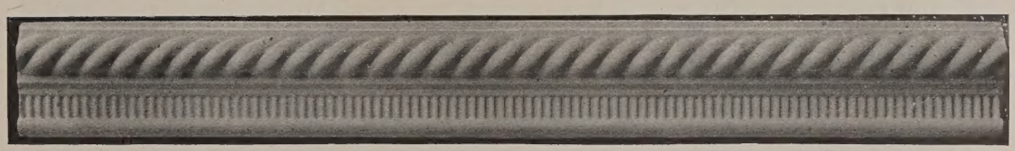
Cross No. 231. 6 x 6 x 1 inches. 6 cents each.

Tee No. 232. 6 x 6 x 1 inches. 6 cents cach

Ell No. 233. 6 x 6 x 1 inches. 6 cents each.

Molding No. 239. 6 inches wide. 6 cents per lineal foot.

Being shallow, is adapted to Wainscot Cap, as it will not project beyond window frames.

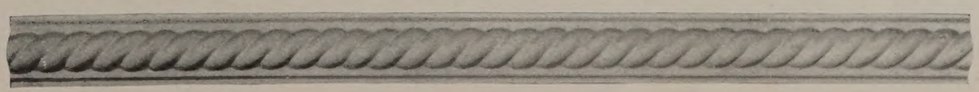


Foot Molding No. 191. 5½ x 2 inches. 7 cents per lineal foot.

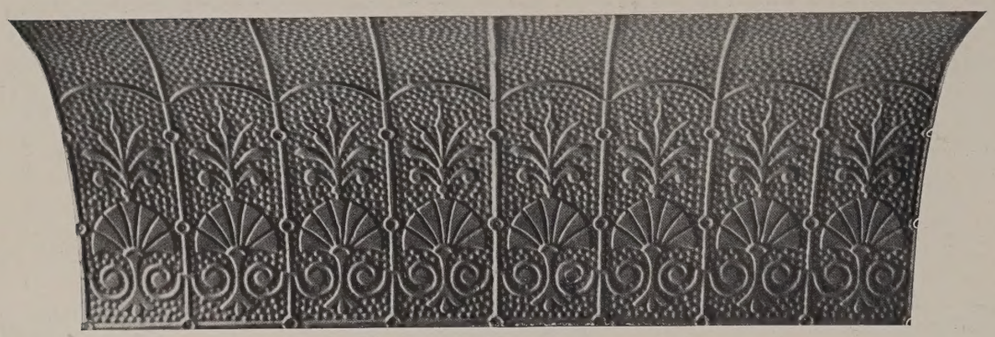
Broke for nosing, as used on corner of beams, etc. (see page 22, beam cover 2051), same price.

Foot Molding No. 179. 4 x 1¾ inches. 6 cents per lineal foot.

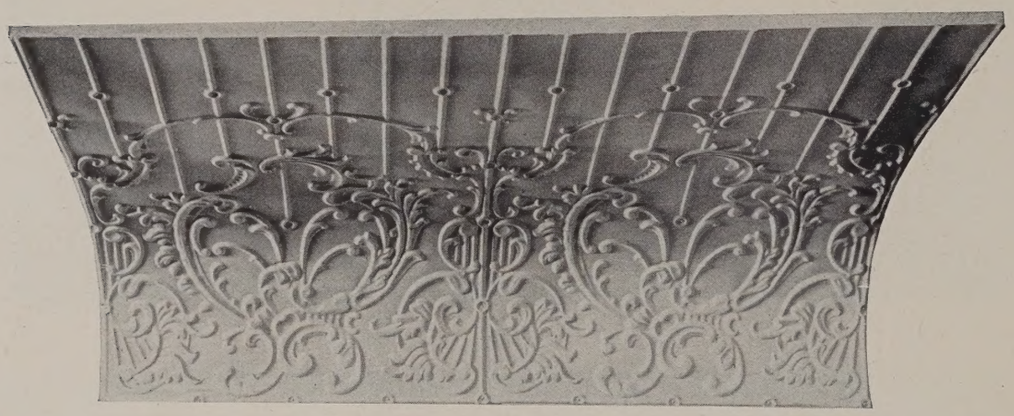
Molding No. 190. 4 x 1½ inches x 4 feet long. 7 cents per lineal foot.



Molding No. 238. 4 x 2 inches. 6 cents per lineal foot.



Cornice No. 176. 24-inch girth. 20 cents per lineal foot.



Cornice No. 215. 33-inch girth. 30 cents per lineal foot.

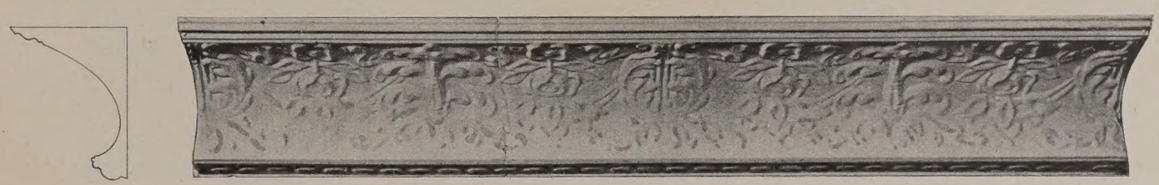
Cornice No. 251. 27-inch girth. 28 cents per lineal foot.
This plate cannot be coved below the center, the lower half serving as a frieze.

Cornice No. 217. 24-inch girth. Made in 8 foot lengths. 20 cents per lineal foot.

The Cornices on this page, excepting No. 251, can be coved to any radius.

Cornice No. 220. 15 inches deep, 9 inches projection. 24 cents per lineal foot.

Cornice No. 221. 10 inches deep, 7½ inches projection. 20 cents per lineal foot.



Cornice No. 222. 7¾ inches deep, 6 inches projection. 16 cents per lineal foot.

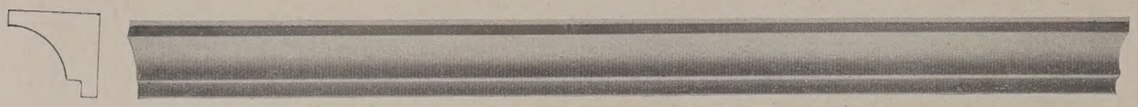
Cornice and Frieze No. 196. 5 inches deep, 9 inch Frieze, 4 inches projection { without filling 19 cents per lineal foot. / with 6-inch filling. 22 cents per lineal foot. / with 12-inch filling. 28 cents per lineal foot.

Shipped in 2-foot lengths and without Filling, unless otherwise ordered.

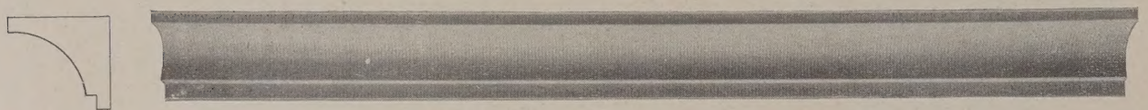
Cornice No. 197. 5 inches deep, 4 inches projection { without filling 11 cents per lineal foot. / with 6-inch filling, 14 cents per lineal foot. / with 12-inch filling, 20 cents per lineal foot.

Shipped in 2-foot lengths and without Filling, unless otherwise ordered.

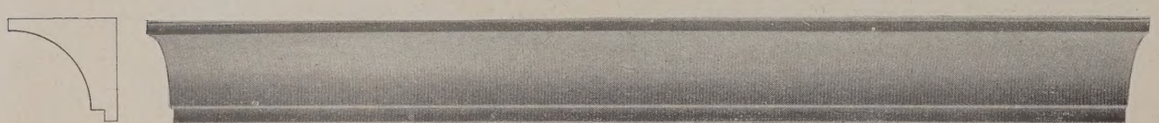
Cornice No. 202. 6 inches deep, 8 inches projection. 12 cents per lineal foot.



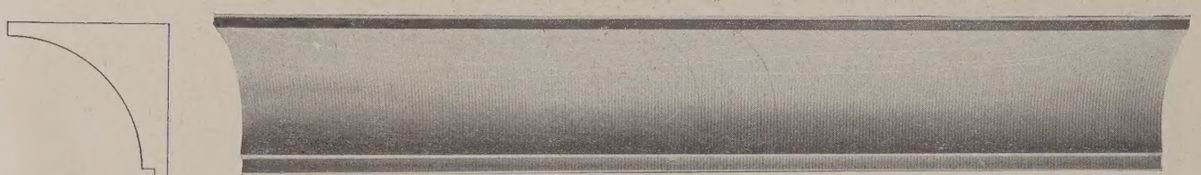
Cornice No. 151. 3 inches deep, 2¾ inches projection. 5 cents per lineal foot.



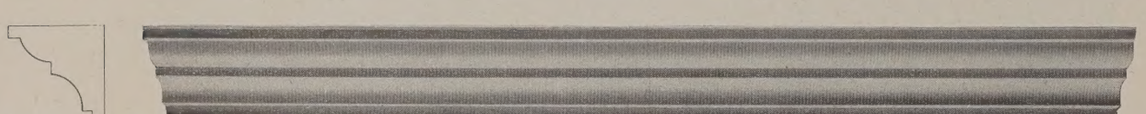
Cornice No. 152. 3¾ inches deep, 3½ inches projection. 7¼ cents per lineal foot.



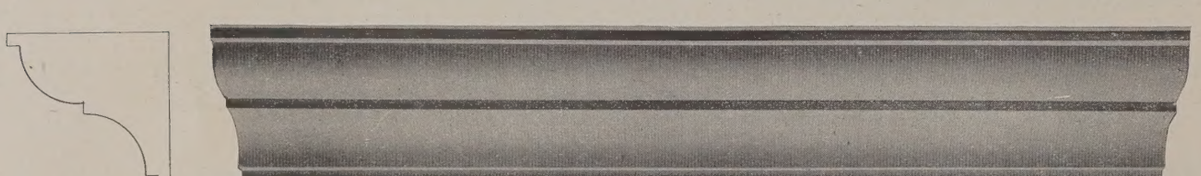
Cornice No. 153. 4¾ inches deep, 4½ inches projection. 10 cents per lineal foot.



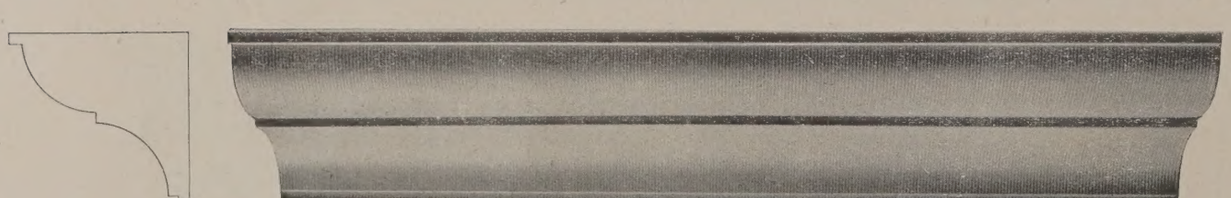
Cornice No. 154. 6¾ inches deep, 6½ inches projection. 12 cents per lineal foot.



Cornice No. 155. 4 inches deep, 4 inches projection. 10 cents per lineal foot.



Cornice No. 156. 6¾ inches deep, 6½ inches projection. 12 cents per lineal foot.



Cornice No. 157. 8¾ inches deep, 8½ inches projection. 14½ cents per lineal foot.

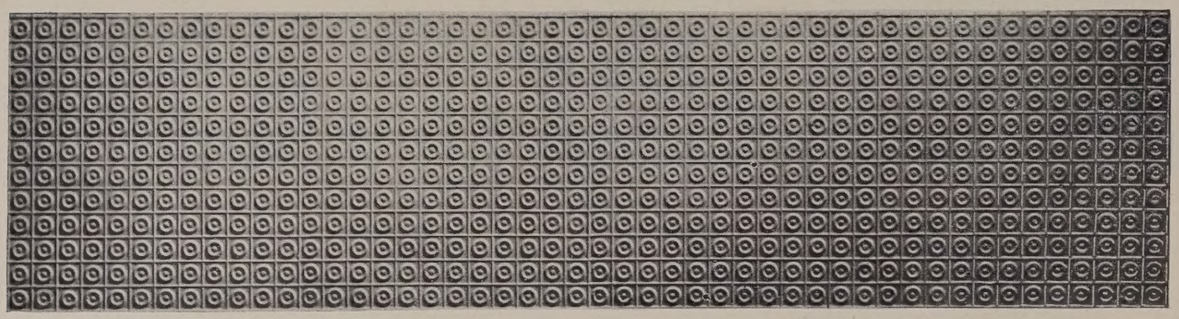
All Cornices on this page are made of $\frac{5}{16}$-inch corrugated iron, affording rigidity and increased beauty of finish. Shipped primed white with Brackets for applying. Order by number.

Frieze No. 189. 2 x 8 foot section. $9.00 per square.

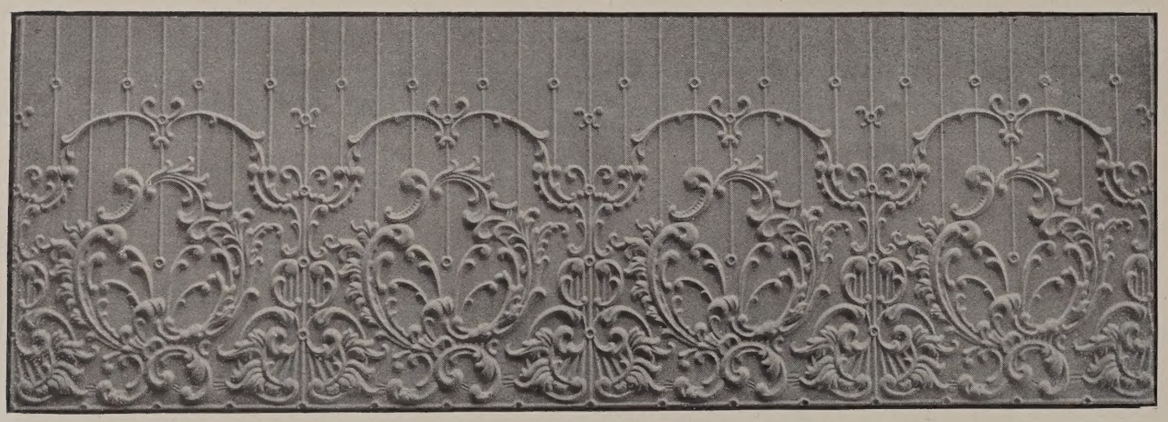
Frieze or Border No. 203. 2 x 8 foot section. $9.00 per square.

Frieze or Border No. 205. 2 x 8 foot section. $9.00 per square.

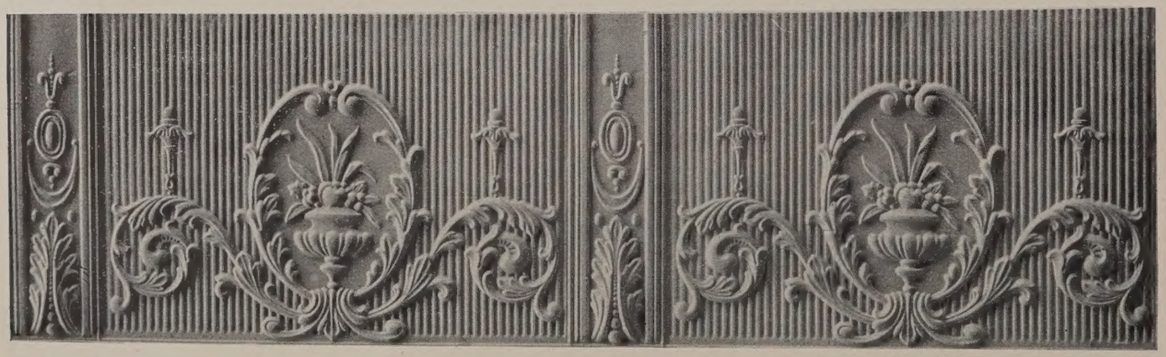
Filler, Frieze or Border No. 216. 2 x 8 foot section. $8.00 per square.



Border or Filler No. 219. 2 x 8 foot section. $8.00 per square.

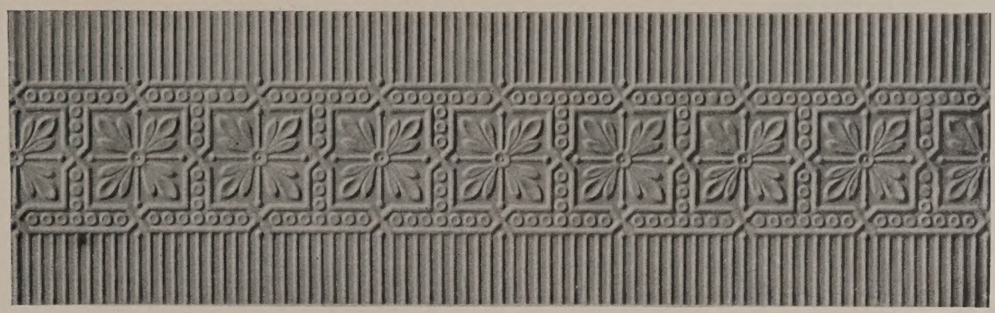


Border or Wainscot No. 214. 33-inch x 8 foot section. $9.00 per square.



Border or Wainscot No. 250. 27-inch x 8 foot section. $10.00 per square.

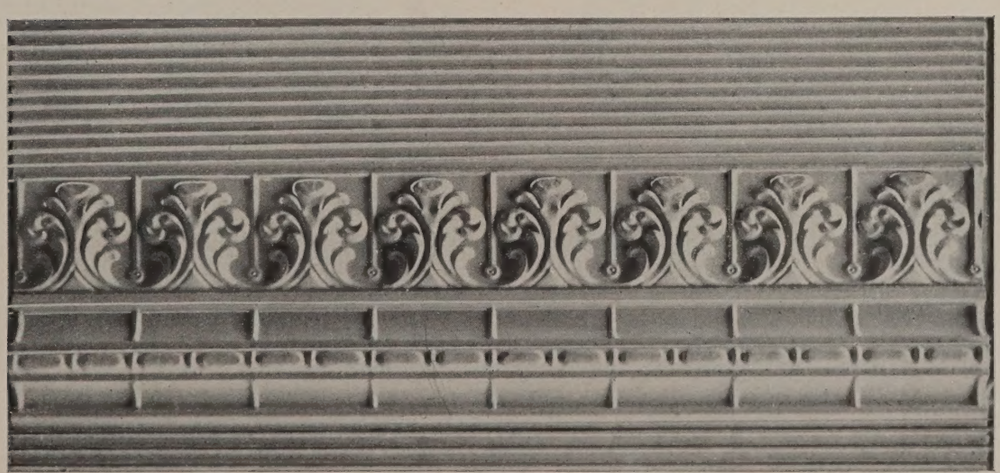
In establishing the standard of mechanical perfection in Embossed Steel Ceilings, we have sacrificed nothing that would add to their artistic elegance. They can be applied over plaster or wood; are cleanly, durable and economical; show no unsightly cracks, and retard the progress of fire. They are permanent, and you should make your selection from the best designs obtainable.



Girder Face No. 201. 14½ x 48 inches. 10 cents per lineal foot.

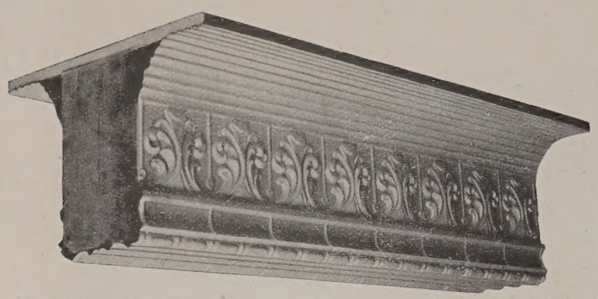
Frieze No. 187. 12 x 48 inch section. 9 cents per lineal foot.

Frieze No. 198. 9 x 48 inch section. 8 cents per lineal foot.

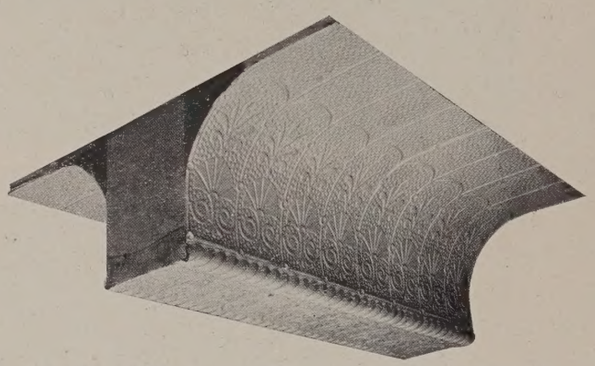


Girder Cover 240. Adjustable to size of side or face, 48 inches long. 25 cents per lineal foot, each side.

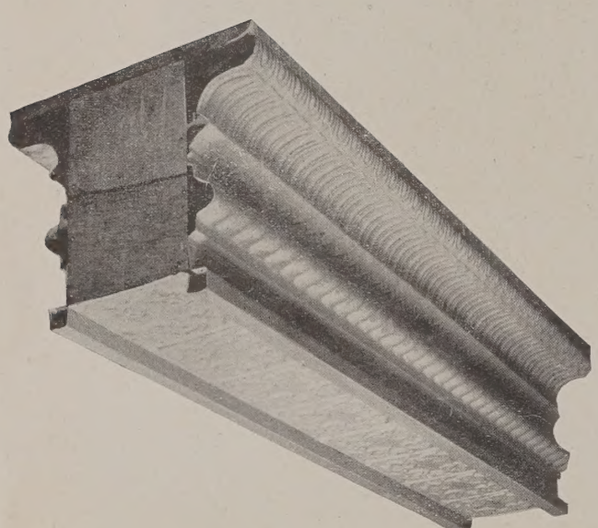
The material used for Girder Covering should correspond with the Cornice used in the room. The Special Nosing is provided to adjust the Cover to any width of beam.



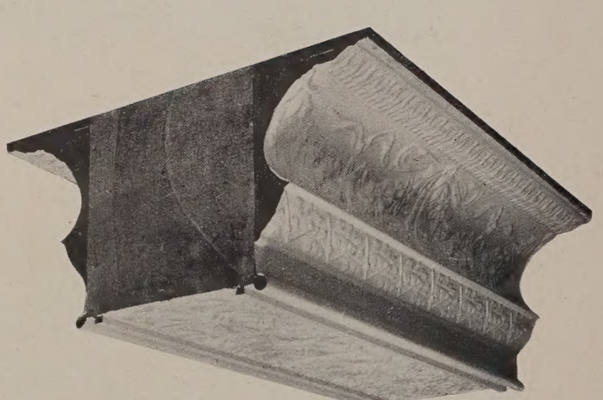
No. 2050. Girder or Beam Cover. Adjustable width, composed of two pieces, as shown on page 21. Per lineal foot, complete, 50 cents.



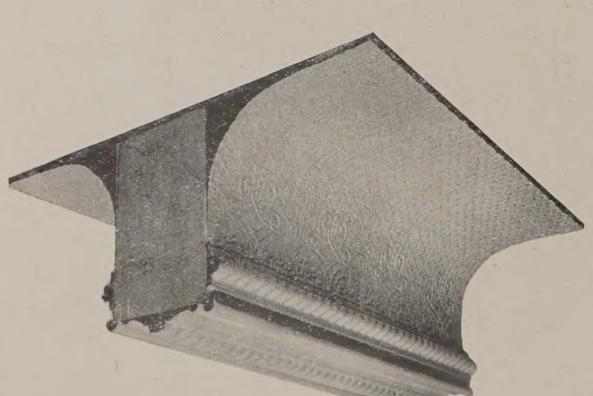
No. 2051. Girder or Beam Cover. Composed of Cornice 176, Nosing 238, Face 201, 6 inches wide.
Per lineal foot, 60 cents.



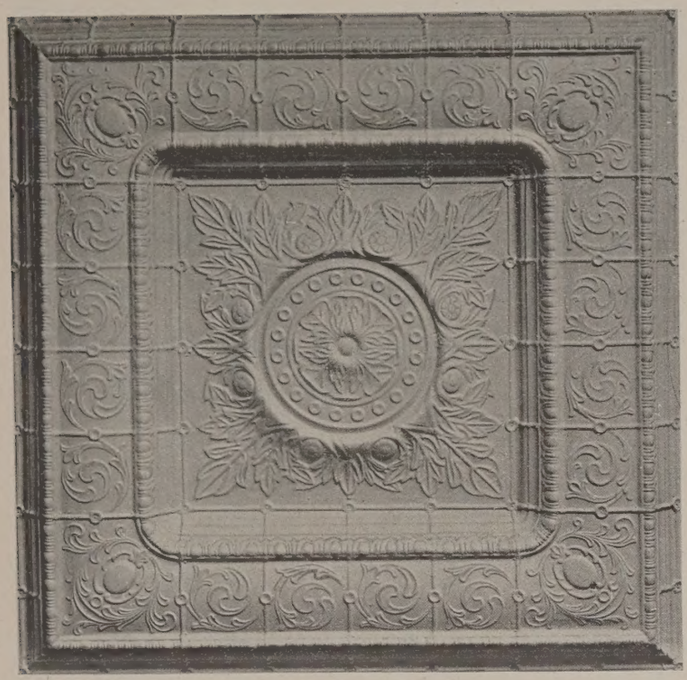
No. 2052. Girder or Beam Cover. Composed of Cornice 197, Mold 238, Special Nosing, Face 177, 6 inches wide.
Per lineal foot, 65 cents.



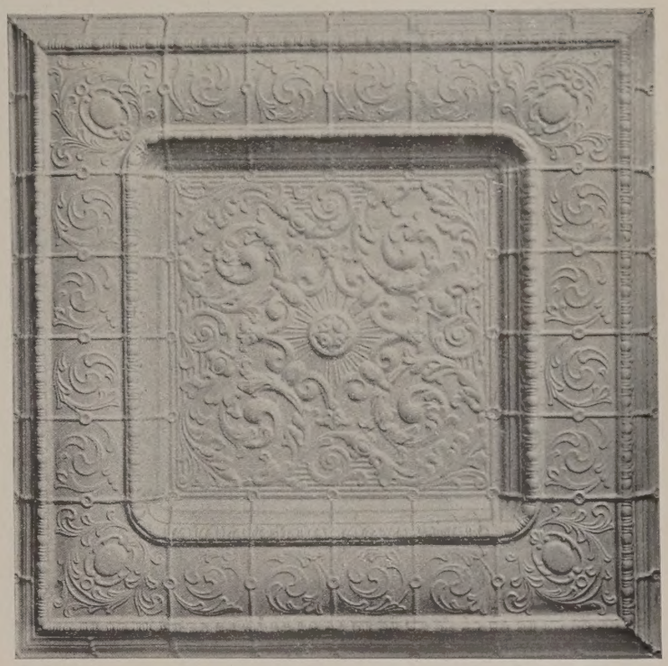
No. 2053. Girder or Beam Cover. Composed of Cornice 220, Special Nosing, Face 206, 12 inches wide.
Per lineal foot, 75 cents.



No. 2054. Girder or Beam Cover. Composed of Cornice 217, Mold 238, Special Nosing, Face 234, 9 inches wide.
Per lineal foot, 70 cents.

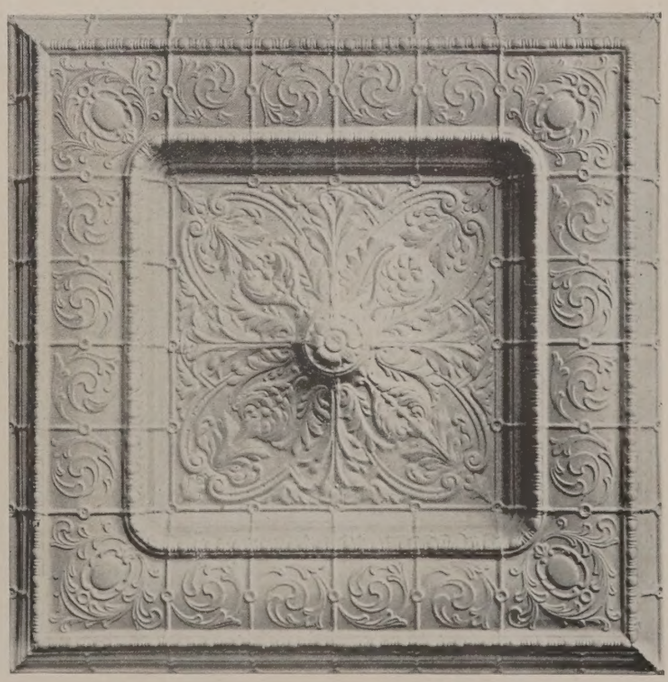


Center No. 1015. 4 x 4 feet x 2⅜ inches deep. $2.05 each.
Composed of Plate 180, Molding 192 and Ells 195.



Center No. 2000. 4 x 4 feet x ⅝ inch deep. $1.95 each.
Composed of Plate 209, Molding 192 and Ells 195.

Center No. 2001. 4 x 4 feet x 5 inches deep. $1.95 each.
Composed of Plate 181, Molding 169 and Ells 172.

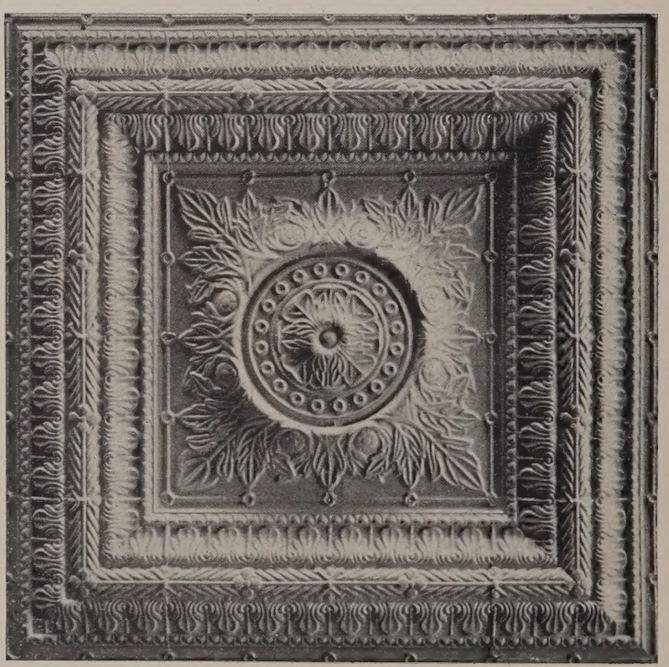


Center No. 1050. 4 x 4 feet x 5 inches deep. $2.15 each.
Composed of Plate 181, Molding 192 and Ells 195.

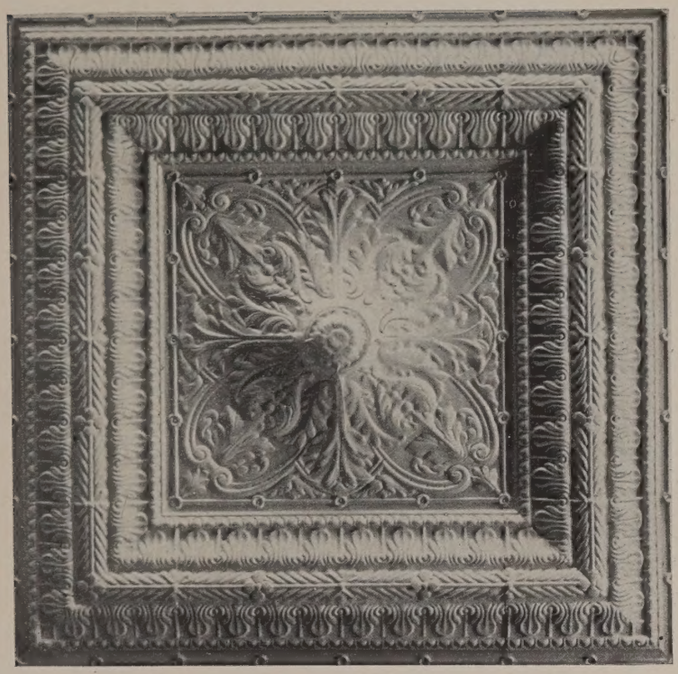
Center No. 1001. 4 x 4 feet x 2⅜ inches deep. $1.85 each.
Composed of Plate 180, Molding 169 and Ells 172.

Center No. 2002. 4 x 4 feet x ⅝ inch deep. $1.70 each.
Composed of Plate 209, Molding 169 and Ells 172.

Center No. 253. 4 x 4 feet x 7 inches deep. $5.00 each.
Sectional Center composed of four Galvanized 24 x 24 inch plates.
Shipped set up.

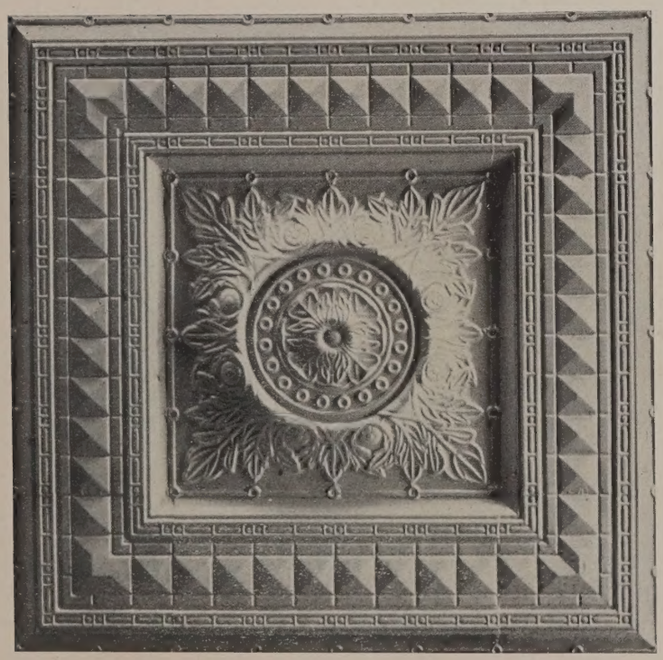


Center No. 2003. 4 x 4 feet x 2⅜ inches deep. $2.05 each.
Composed of Plate 180, Molding 241 and Ells 244.

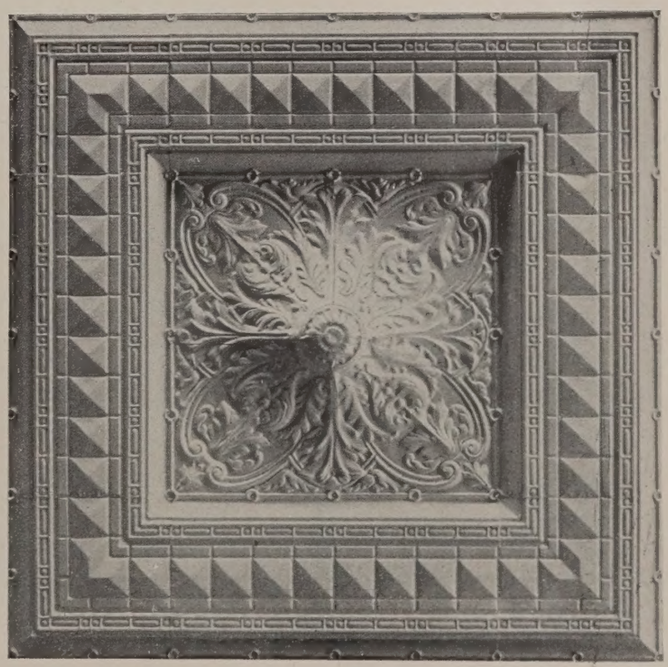


Center No. 2004. 4 x 4 feet x 5 inches deep. $2.15 each.
Composed of Plate 181, Molding 241 and Ells 244.

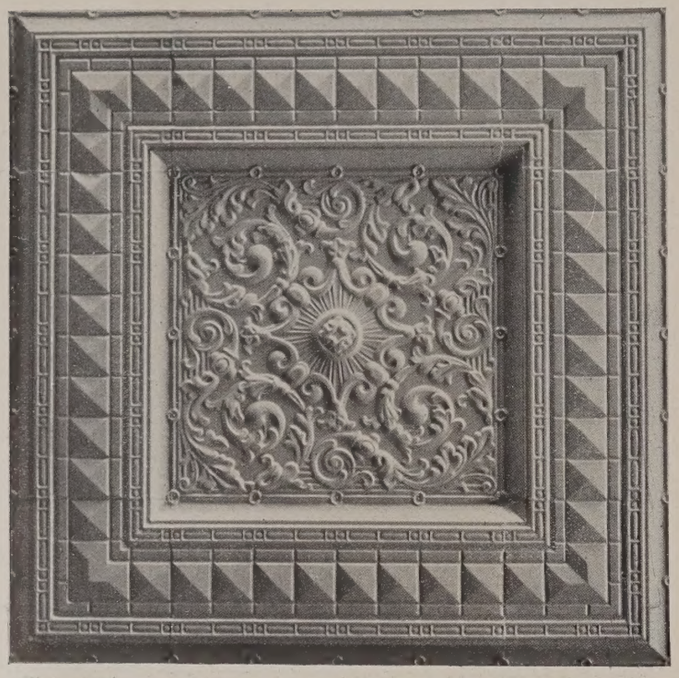
Center No. 2005. 4 x 4 feet x 5/8 inch deep. $1.95 each.
Composed of Plate 209, Molding 241 and Ells 244.



Center No. 2009. 4 x 4 feet x 2 3/8 inches deep. $1.85 each.
Composed of Plate 180, Molding 246 and Ells 249.

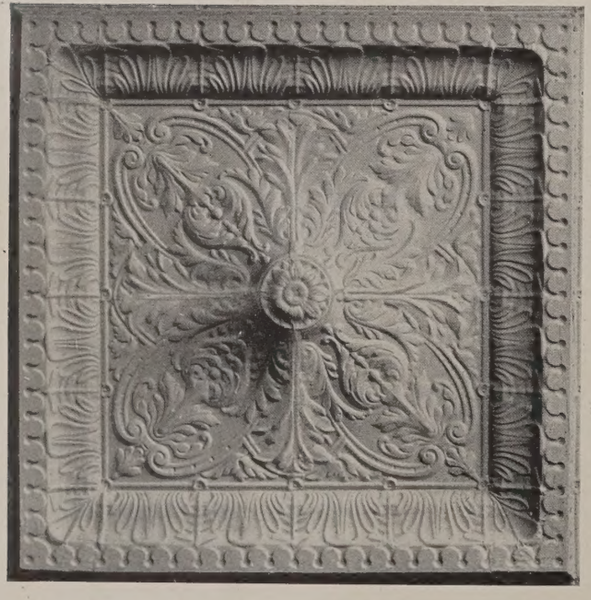


Center No. 2010. 4 x 4 feet x 5 inches deep. $1.95 each
Composed of Plate 181, Molding 246 and Ells 249.



Center No. 2011. 4 x 4 feet x $\frac{5}{8}$ inch deep. $1.70 each.
Composed of Plate 209, Molding 246 and Ells 249.

Ventilating Center No. 2012. 4 x 4 feet. $20.00 each.
Ventilating area can be changed to suit customer. Other Moldings can be used at a slight difference in cost.

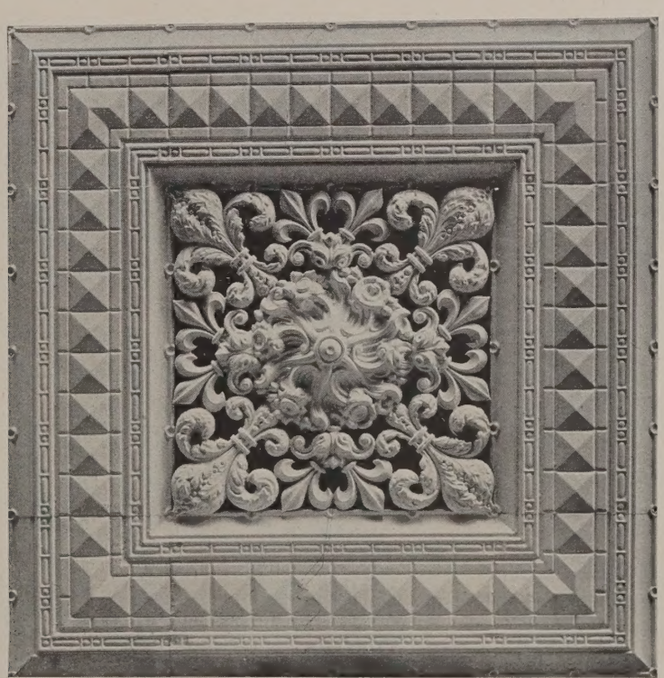


Center No. 2006. 3 x 3 feet x 5 inches deep. $1.50 each.
Composed of Plate 181, Molding 182, Ells 183. Plates 180 or 209 with this Molding. $1.40 each.

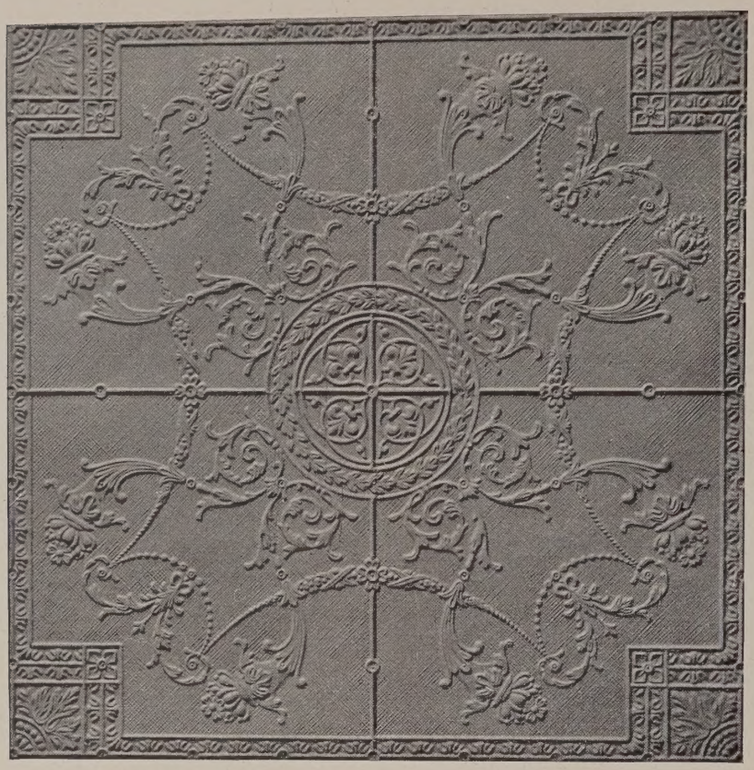
Center No. 2007. 3 x 3 feet x 5 inches deep. $1.50 each.
Composed of Plate 181, Molding 230 and Ells 233.

Center No. 2008. 3 x 3 feet x 2⅜ inches deep. $1.40 each.
Composed of Plate 180, Molding 230, Ells 233.

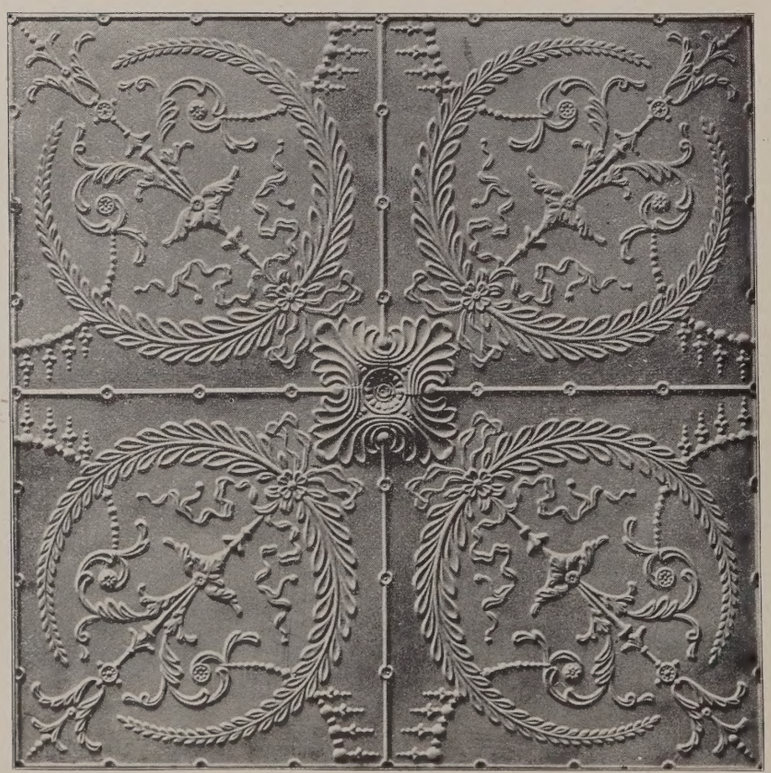
Center No. 1056. 3 x 3 feet x ⅝ inch deep. $1.25 each.
Composed of Plate 209, Molding 230, Ells 233.



Ventilating Center No. 2013. 4 x 4 feet. $12.00 each.
Other moldings can be used at slight difference in cost.



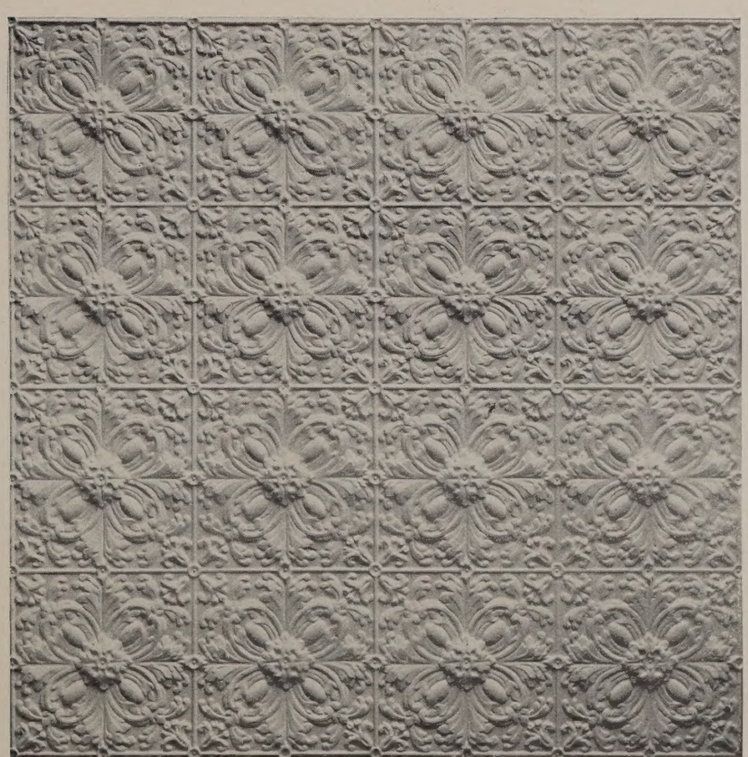
Plates No. 188. 4 x 4 foot section. $9.00 per square.
Used in the field of Ceiling Design 1039, page 50.



Plates No. 200. 4 x 4 foot section. $9.00 per square.
The field of Ceiling Design 1036, page 48, is made of this plate.

Plates No. 204. 4 x 4 foot section. $9.00 per square.

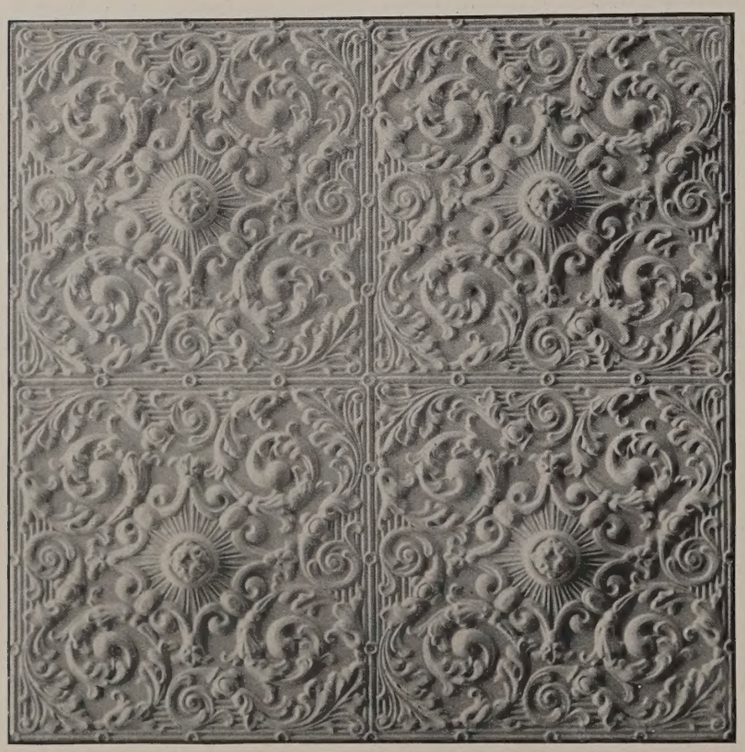
Shown in Ceiling Designs: 1026, page 5; 1027, page 40; 1028, page 41.



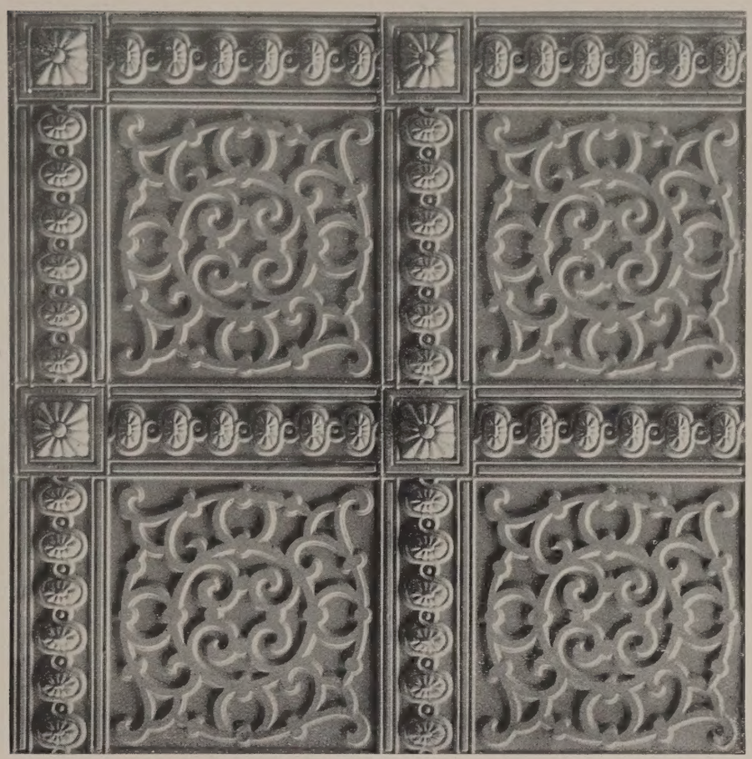
Plates No. 206. 4 x 4 foot section. $9.00 per square.

Design 1034, page 46, shows this plate.

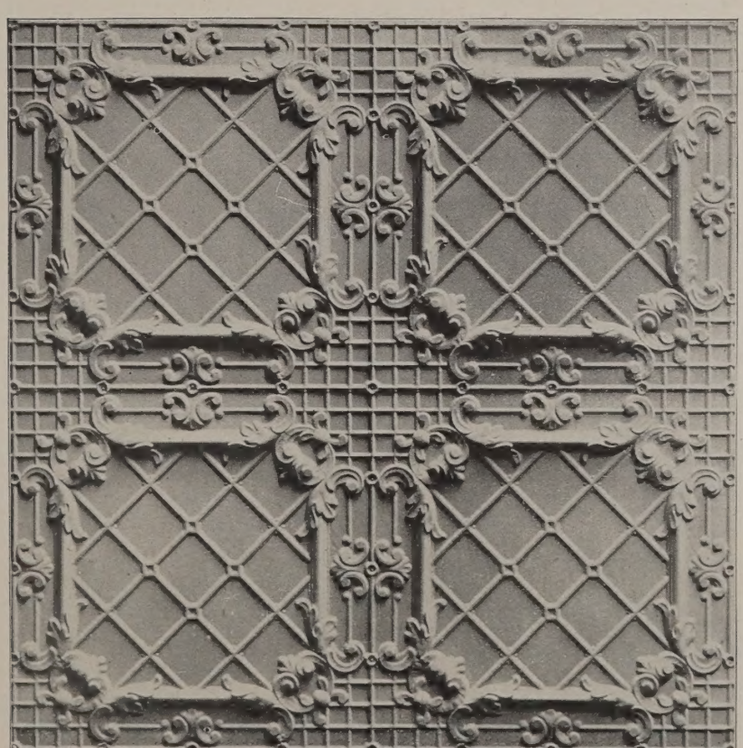
Plates No. 207. 4 x 4 foot section. $9.00 per square.
This pattern is used in Design 1037, page 49.



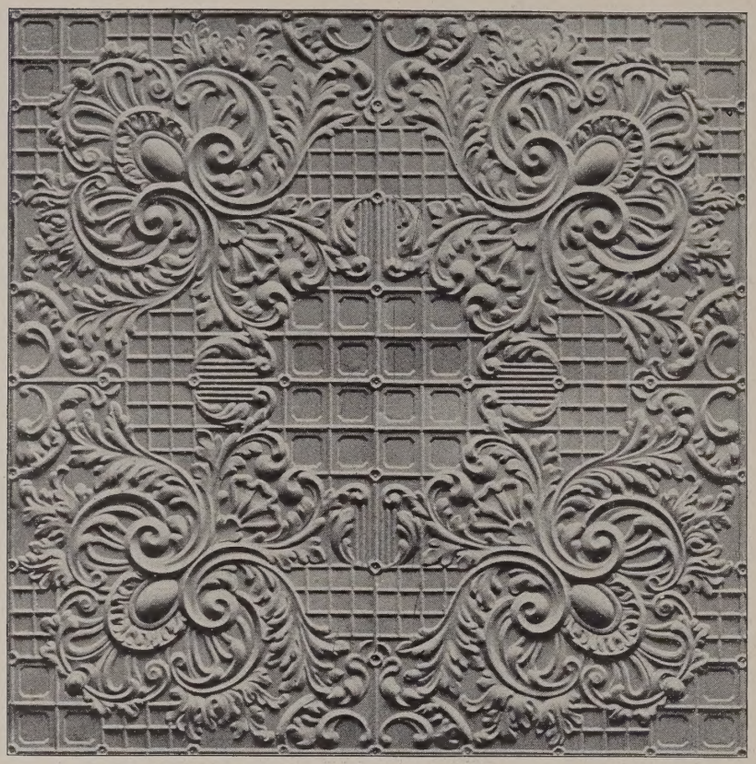
Plates No. 209. 4 x 4 foot section. $9.00 per square.
Number 209 is used as a Center in Design 1037, page 49; and in the field of Designs 1032, page 44, and 1033, page 45.



Plates No. 210. 4 x 4 foot section. $9.00 per square.
Ceiling Design 1065 is composed of this Plate. See page 47.

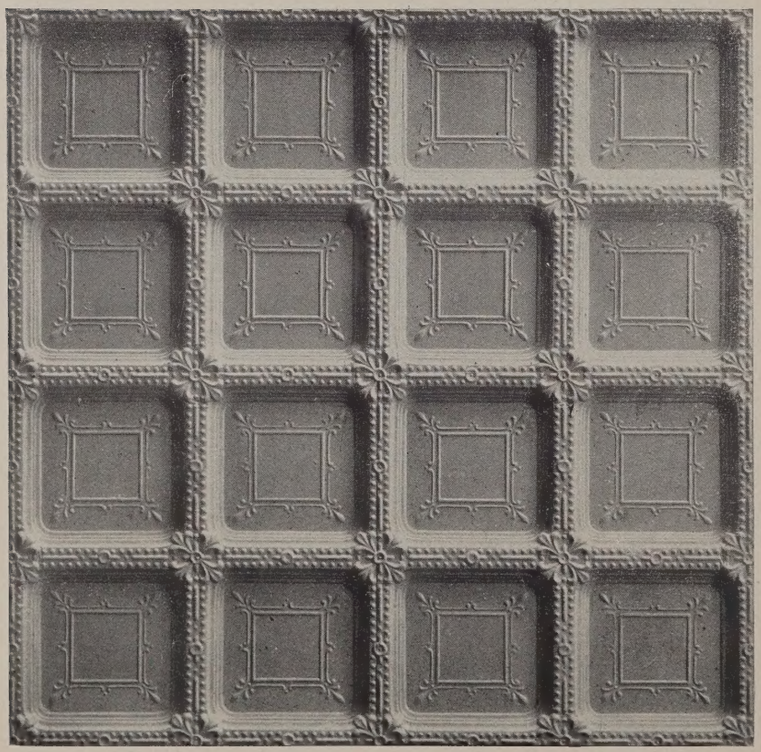


Plates No. 211. 4 x 4 foot section. $9.00 per square.
The field of Designs 1027, page 40, and 1068, page 59, are composed of these plates.



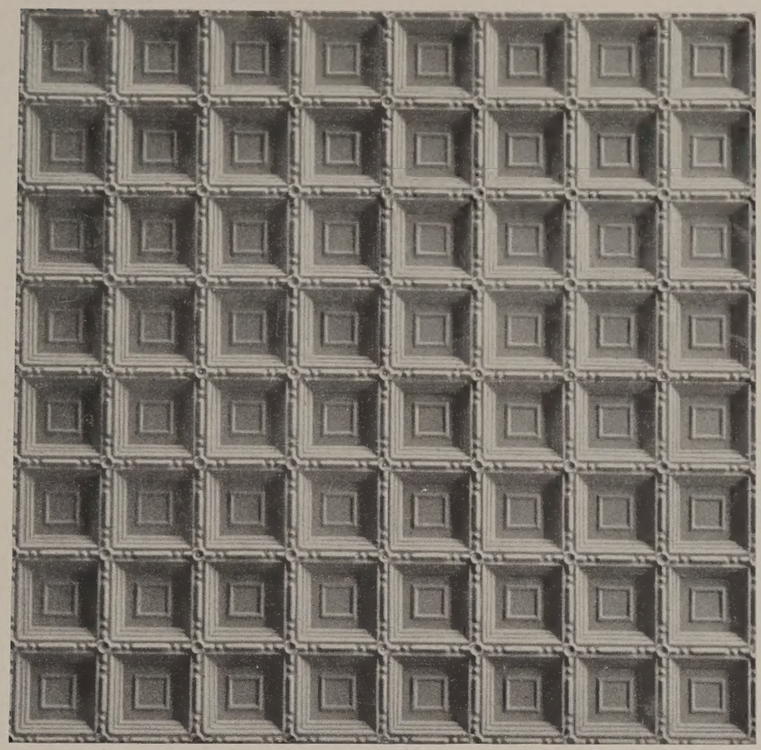
Plates No. 212. 4 x 4 foot section. $9.00 per square.

Design 1026, page 5, contains a field composed of Plates No. 212.

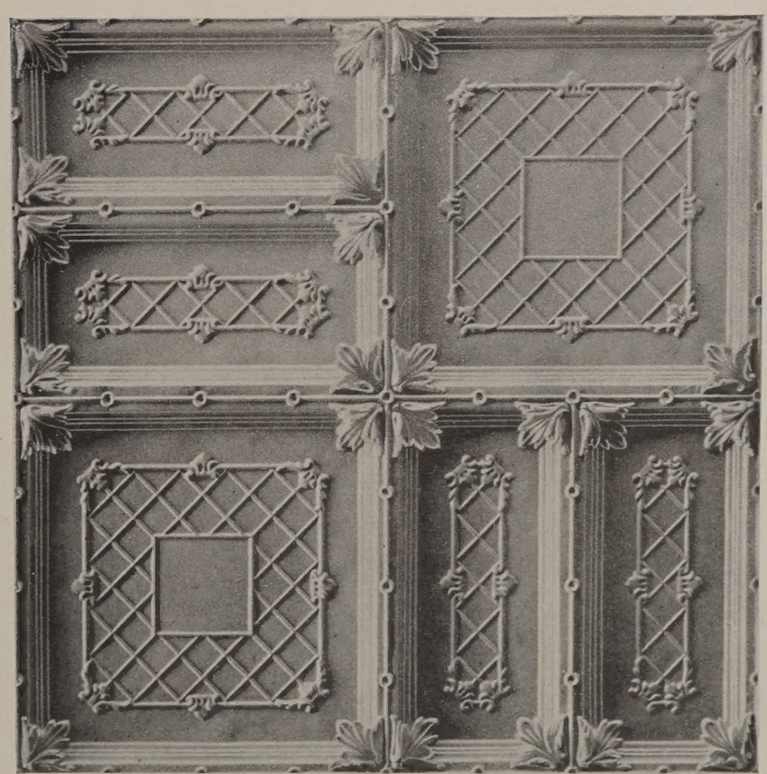


Plates No. 223. 4 x 4 foot section. $9.00 per square.

The field of Design 1047, page 55, is composed of Plates No. 223.



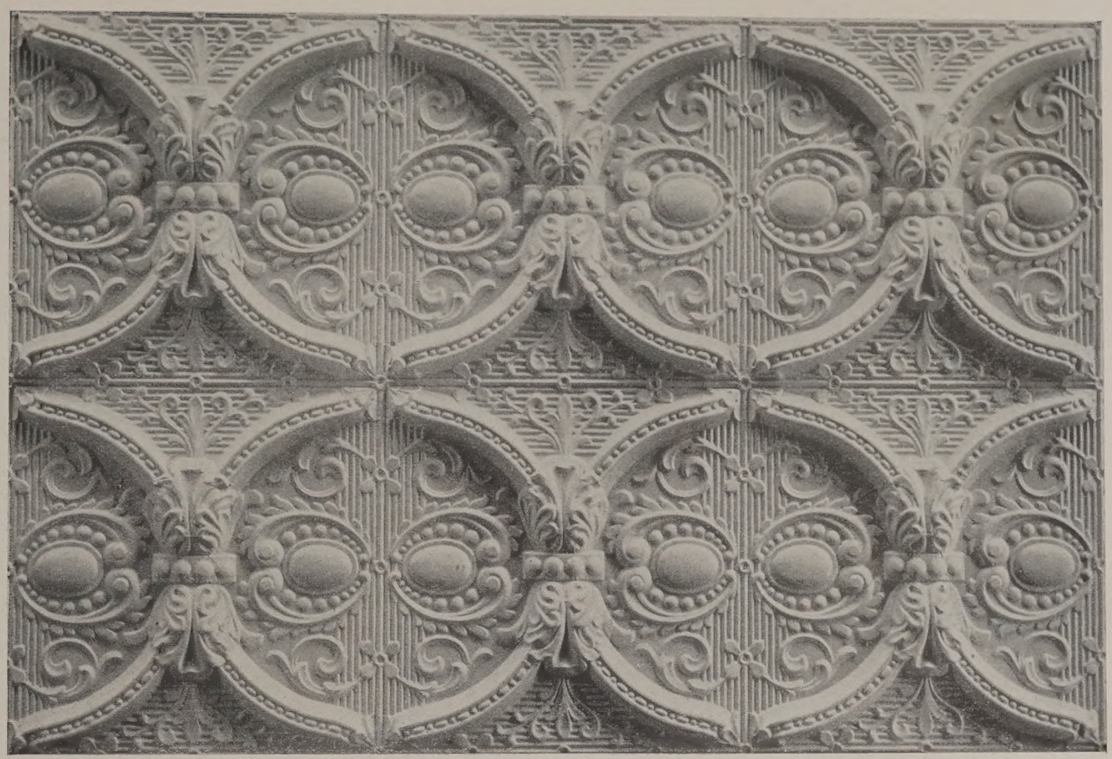
Plates No. 224. 4 x 4 foot section. $9.00 per square.
The field of Design No. 1049, page 56, contains Plate No. 224.



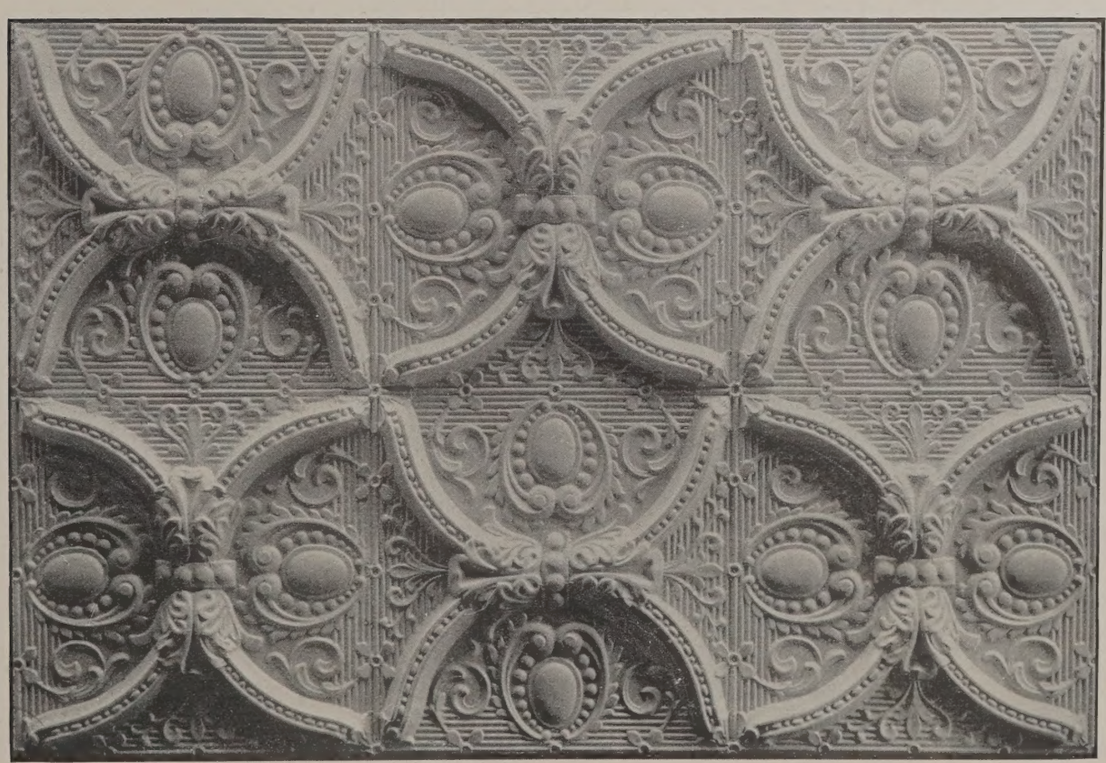
Plates Nos. 227 and 228. 4 x 4 foot section. $9.00 per square.
See Design No. 1067, page 58, showing a combination of Plates 226, 227, 228 and 229.

Plates Nos. 188 and 203. 4 x 6 foot section. $9.00 per square.

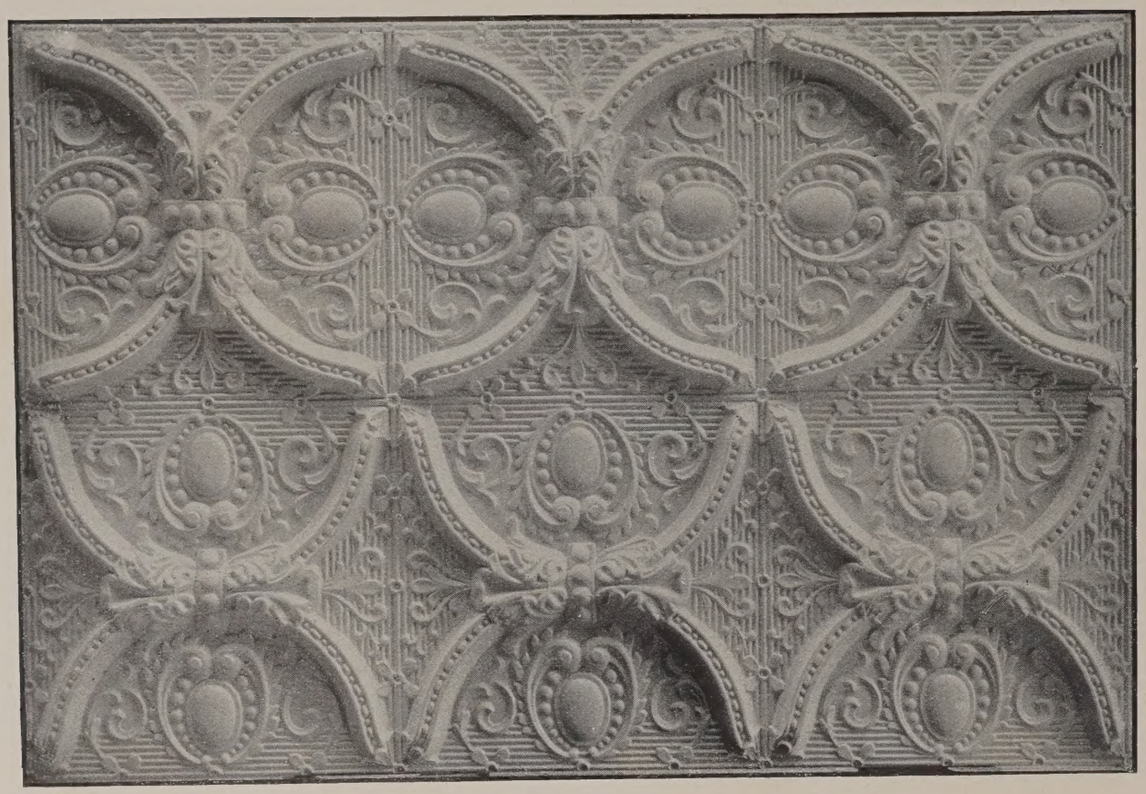
Plates Nos. 204 and 205. 4 x 6 foot section. $9.00 per square.



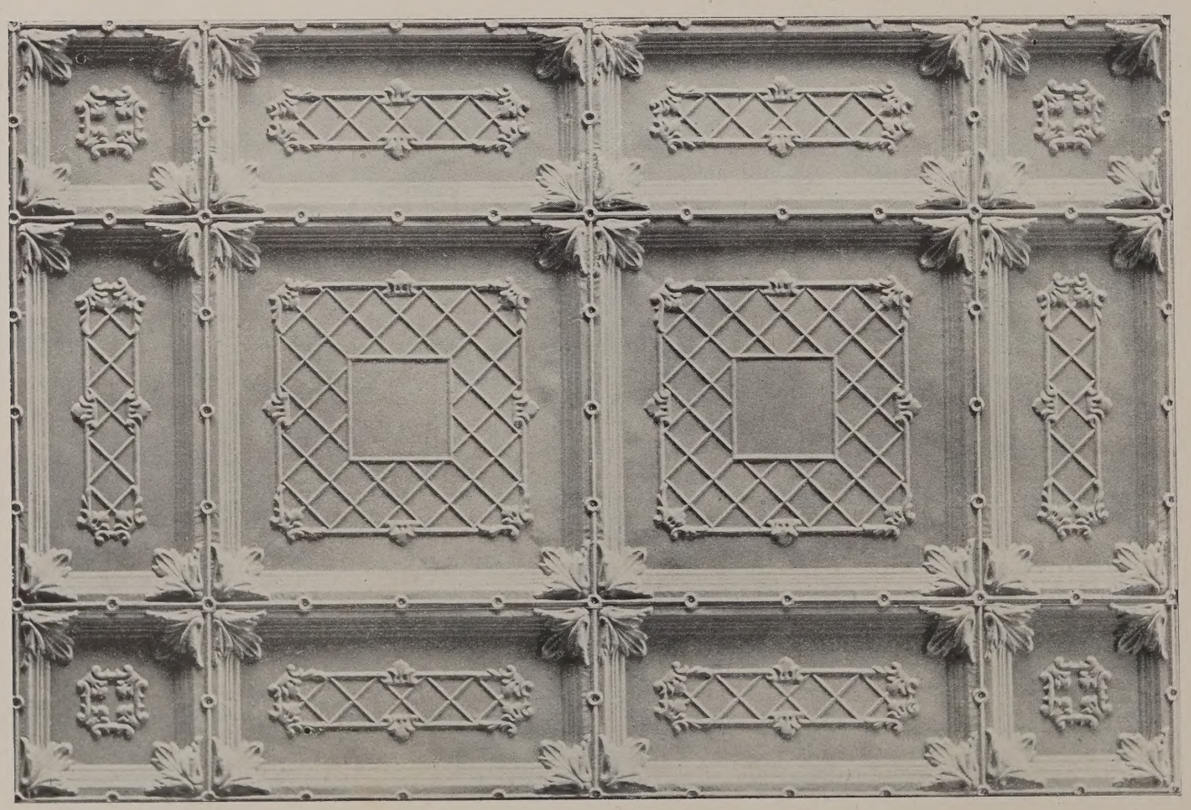
Plates No. 208. 4 x 6 foot section. $10.00 per square.



Plates No. 208. 4 x 6 foot section. $10.00 per square.

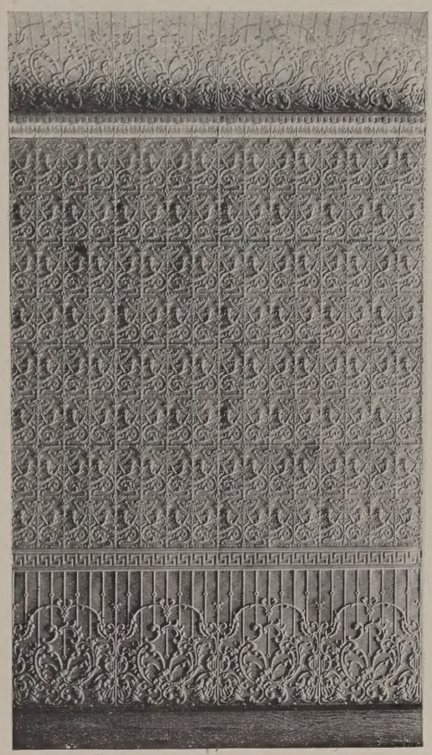


Plates No. 208. 4 x 6 foot section. $10.00 per square.

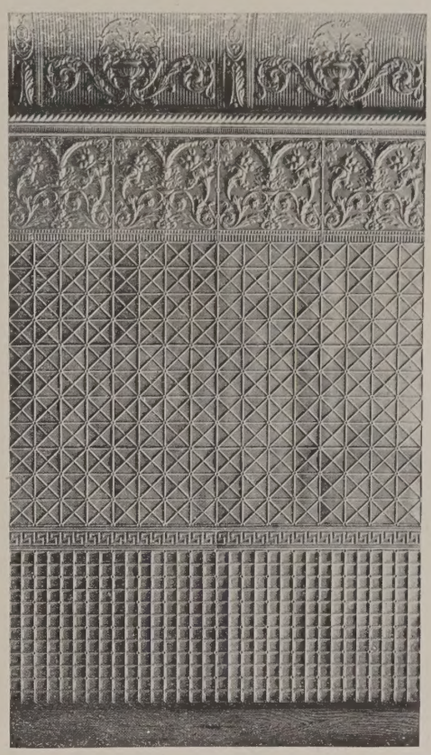


Plates Nos. 226, 227 and 228. 4 x 6 foot section. $9.00 per square.

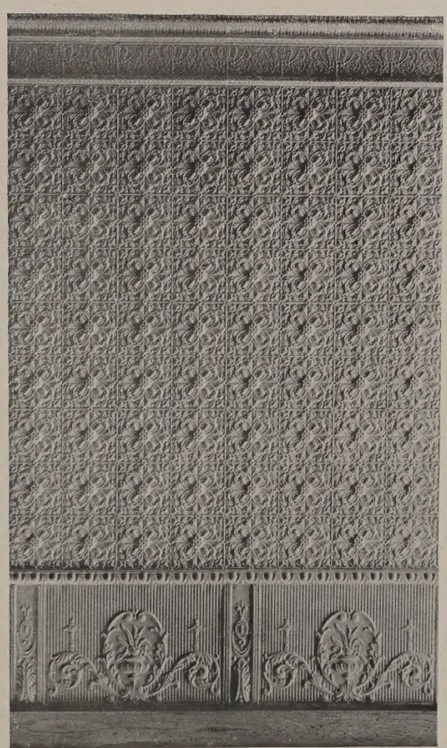
NOTE—The Sidewalls here shown are fourteen feet high. It might be necessary in lower rooms to omit the frieze or substitute a narrower one. Paneled Wainscot, as in numbers 1061 and 1069 cannot be applied except on strips ⅞ x ⅞ inches, and window and door frames should be at least 1½ inches deep.



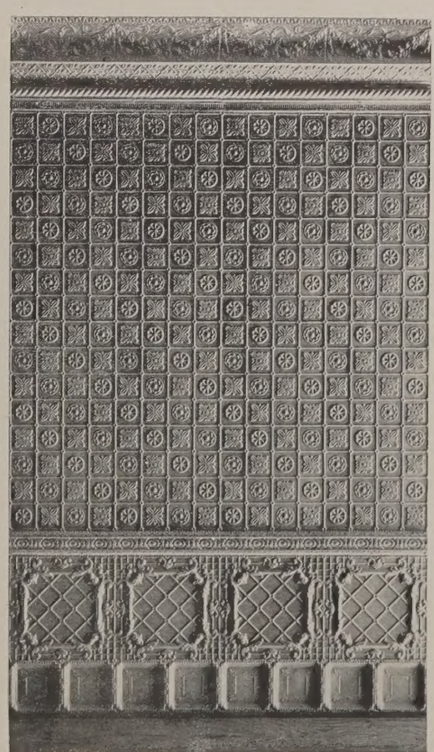
No. 1060. Cornice 215, Foot Mold 182, Wall Plates 187, Wainscot Cap 239, and Wainscot 214.



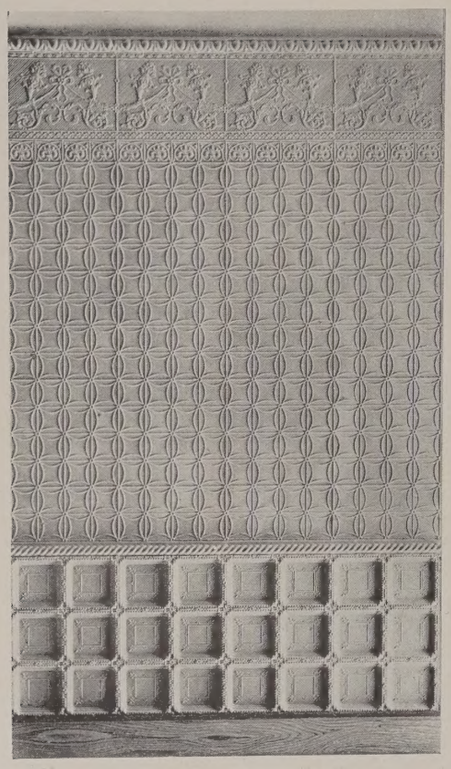
No. 1057. Cornice 251, Foot Mold 191, Frieze 204, Wall Plates 146, Wainscot Cap 239 and Wainscot 225.



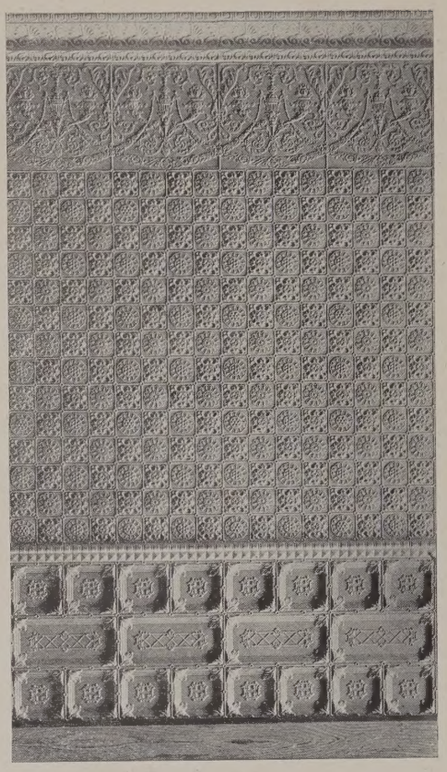
No. 1055. Cornice 196, Wall Plates 206, Wainscot Cap 190 and Wainscot 250.



No. 1061. Cornice 220, Foot Mold 191, Wall Plates 184, Wainscot Cap 230, Wainscot Plates 211 and 224.

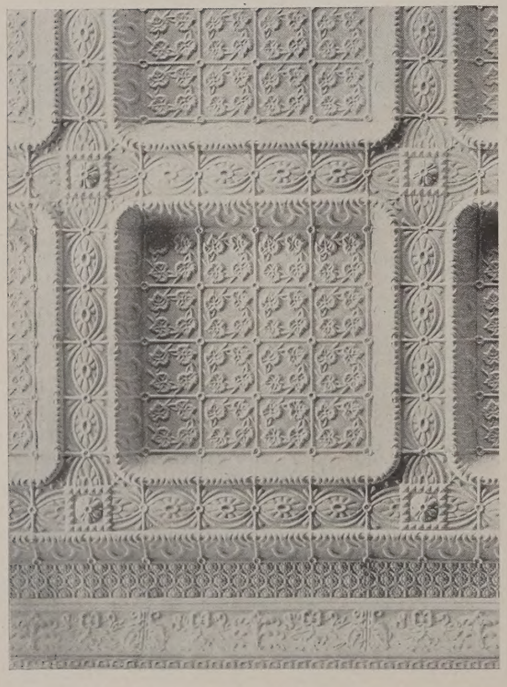


No. 1058. Cornice 202, Frieze 203, Wall Plates 162, Wainscot Cap 238, Wainscot 223.

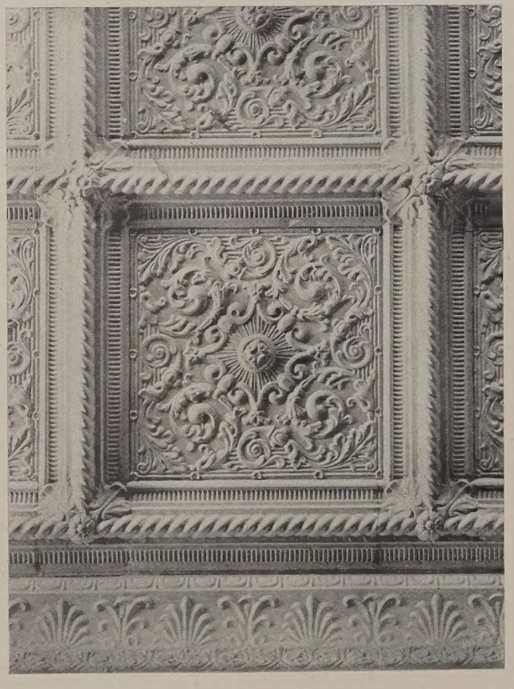


No. 1069. Cornice 221, Frieze 189, Wall Plates 254, Wainscot Cap 179, Wainscot 226 and 227.

SECTIONAL VIEWS OF CEILINGS

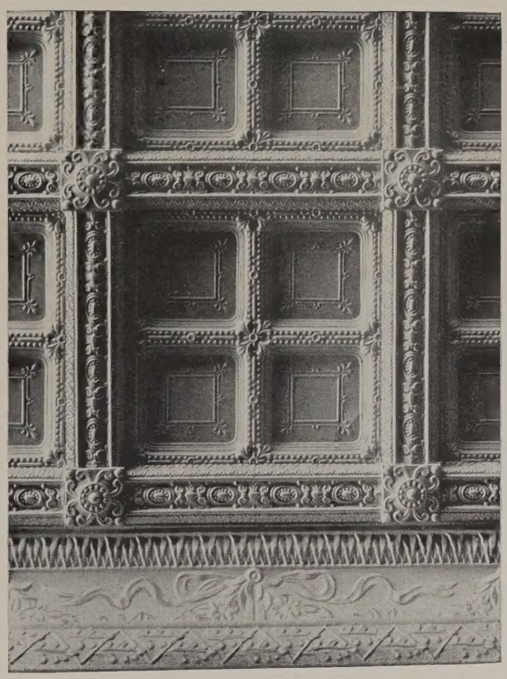


No. 1070. Composed of Cornice 222, Filler 216, Mold 169, Crosses 170, Tees 171 and Plates 177.

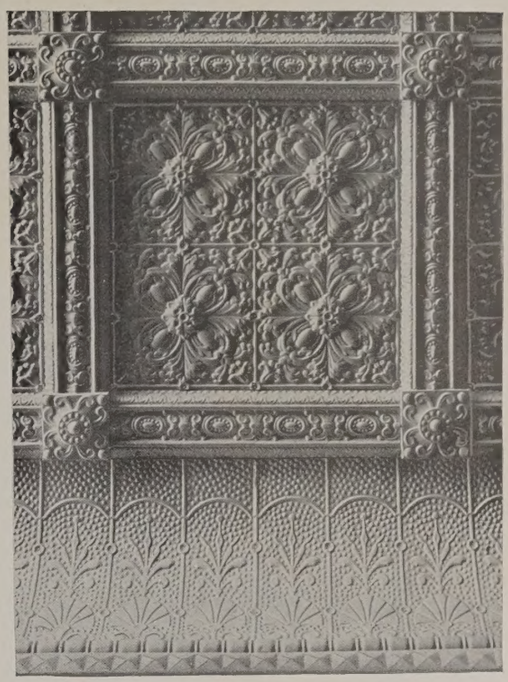


No. 1071. Composed of Cornice 221, Mold 234, Crosses 235, Tees 236 and Plates 209.

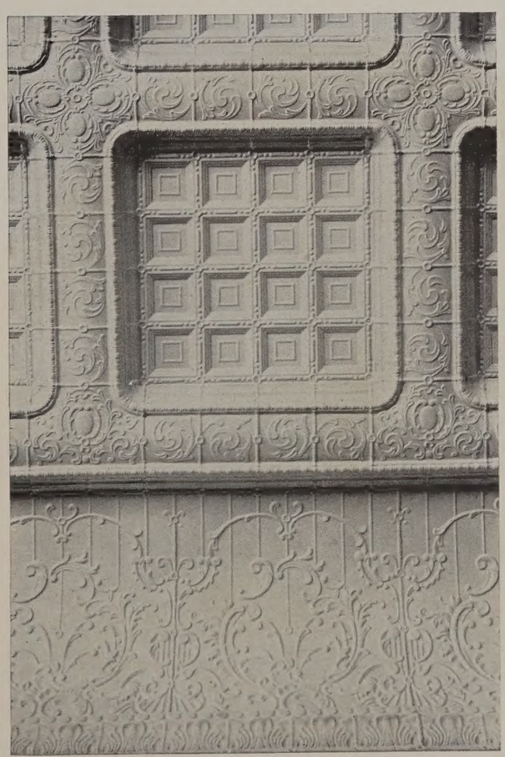
SECTIONAL VIEWS OF CEILINGS



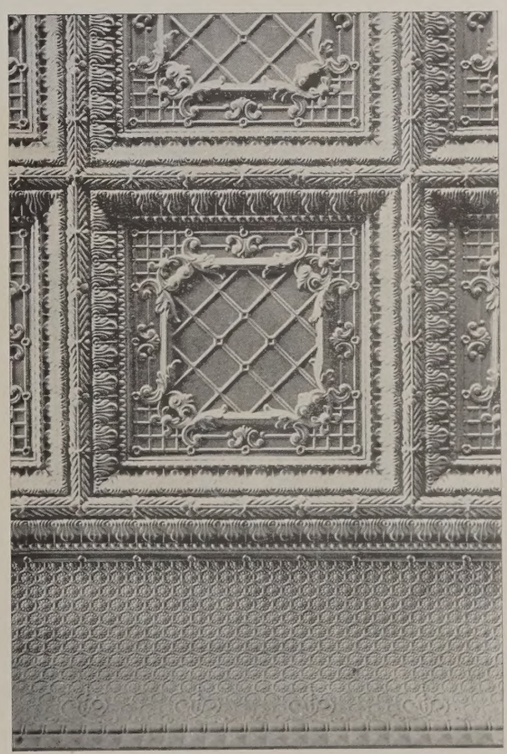
No. 1059. Composed of Cornice 220, Mold 230, Crosses 231, Tees 232 and Plates 223.



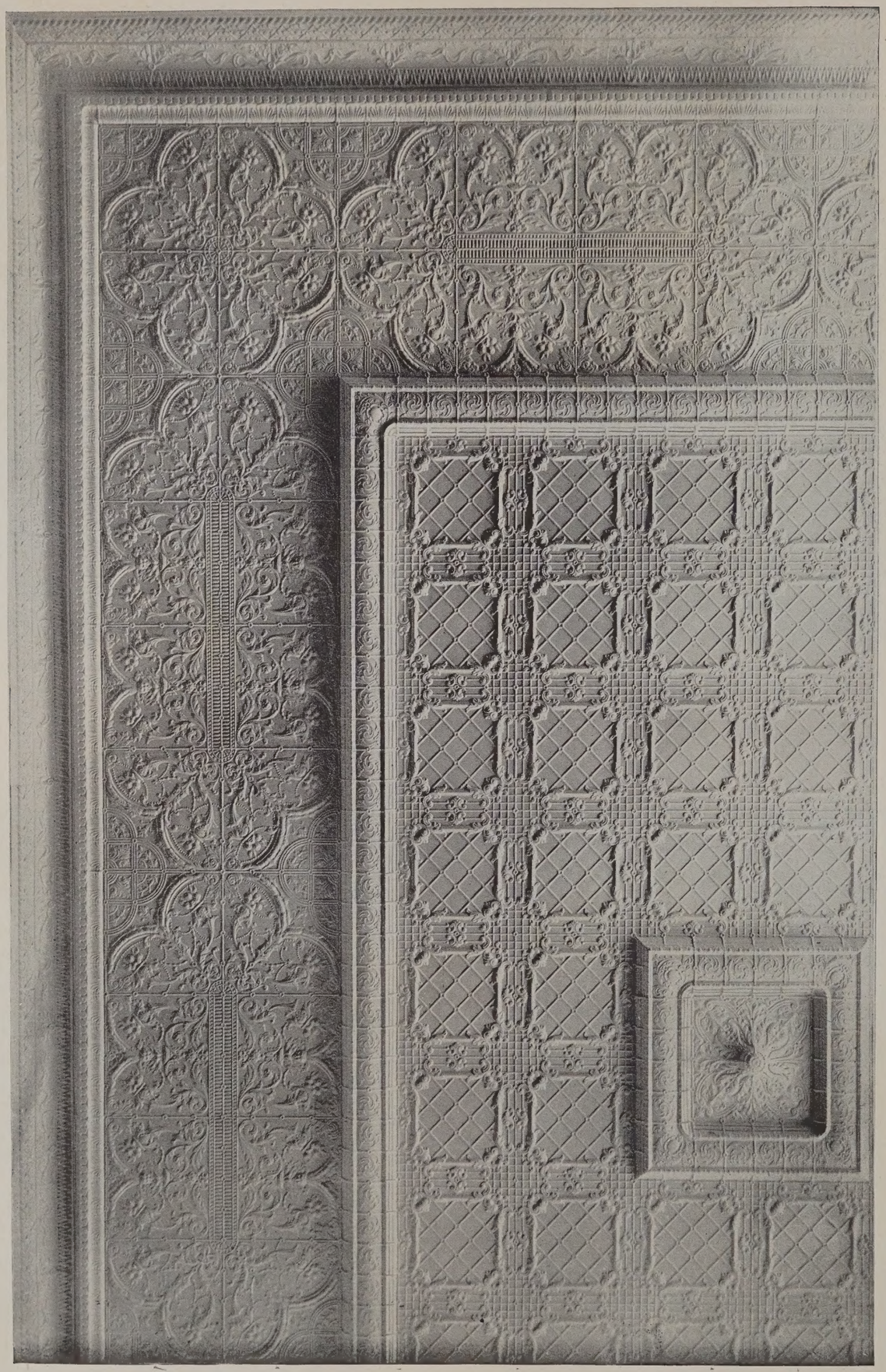
No. 1054. Composed of Foot Mold 179, Cornice 176, Mold 230, Crosses 231, Tees 232 and Plates 206.



No 1053. Composed of Foot Mold 182, Cornice 215, Mold 192 Crosses 193, Tees 194 and Plates 224.



No. 1072. Composed of Foot Mold 179, Cornice 217, Mold 241, Crosses 242, Tees 243 and Plates 211.



Design No. 1027, Corner Section, 14 x 21 feet. List price, based on a room 26 x 42 feet, 11 cents per square foot.

Composed of Foot Mold 191, Cornice 220, Molding 182, Border 204 and 205, Molding 192, Ell 195, Field Plates 211, Center 1050.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the Field into multiples of twelve inches.

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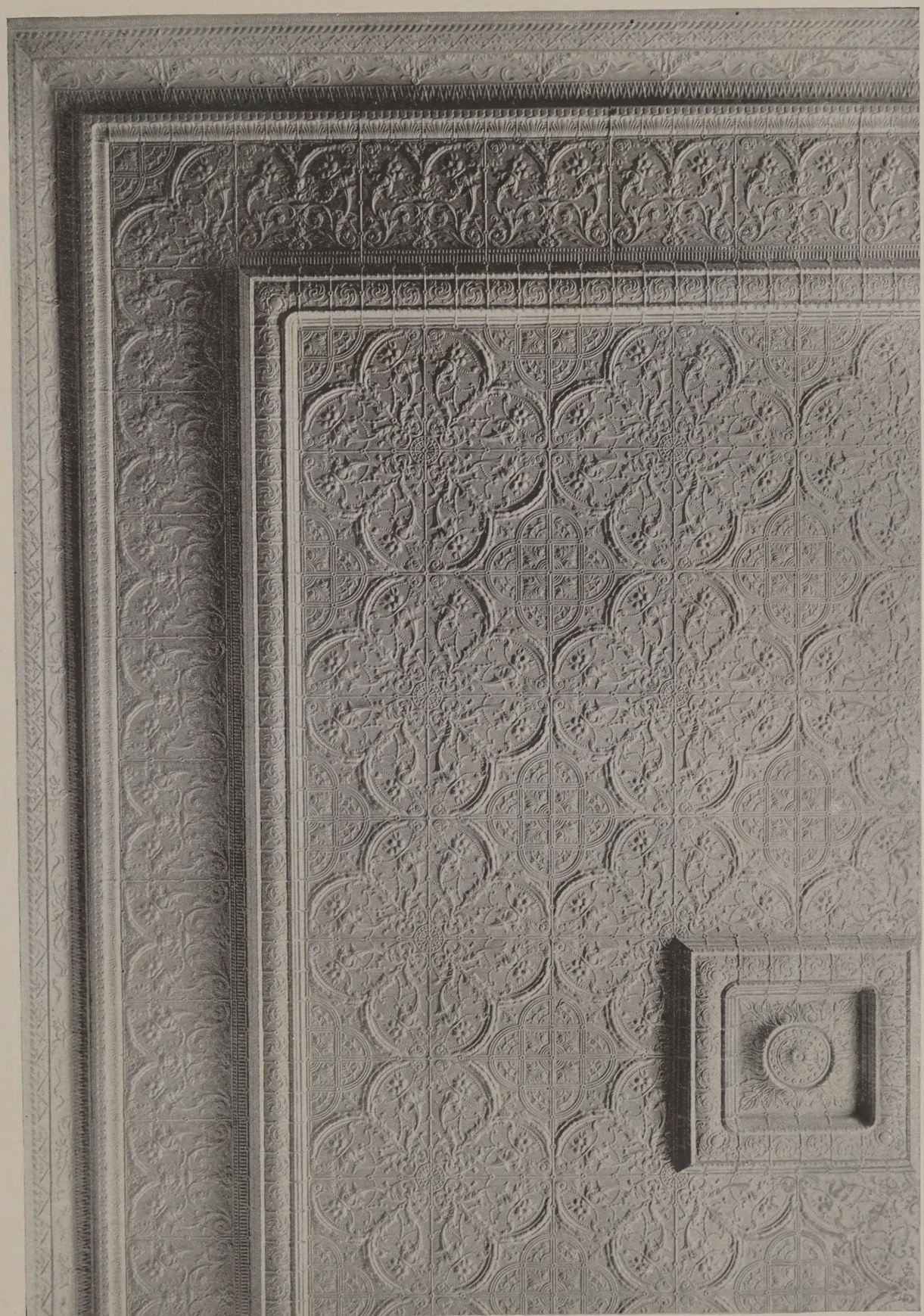
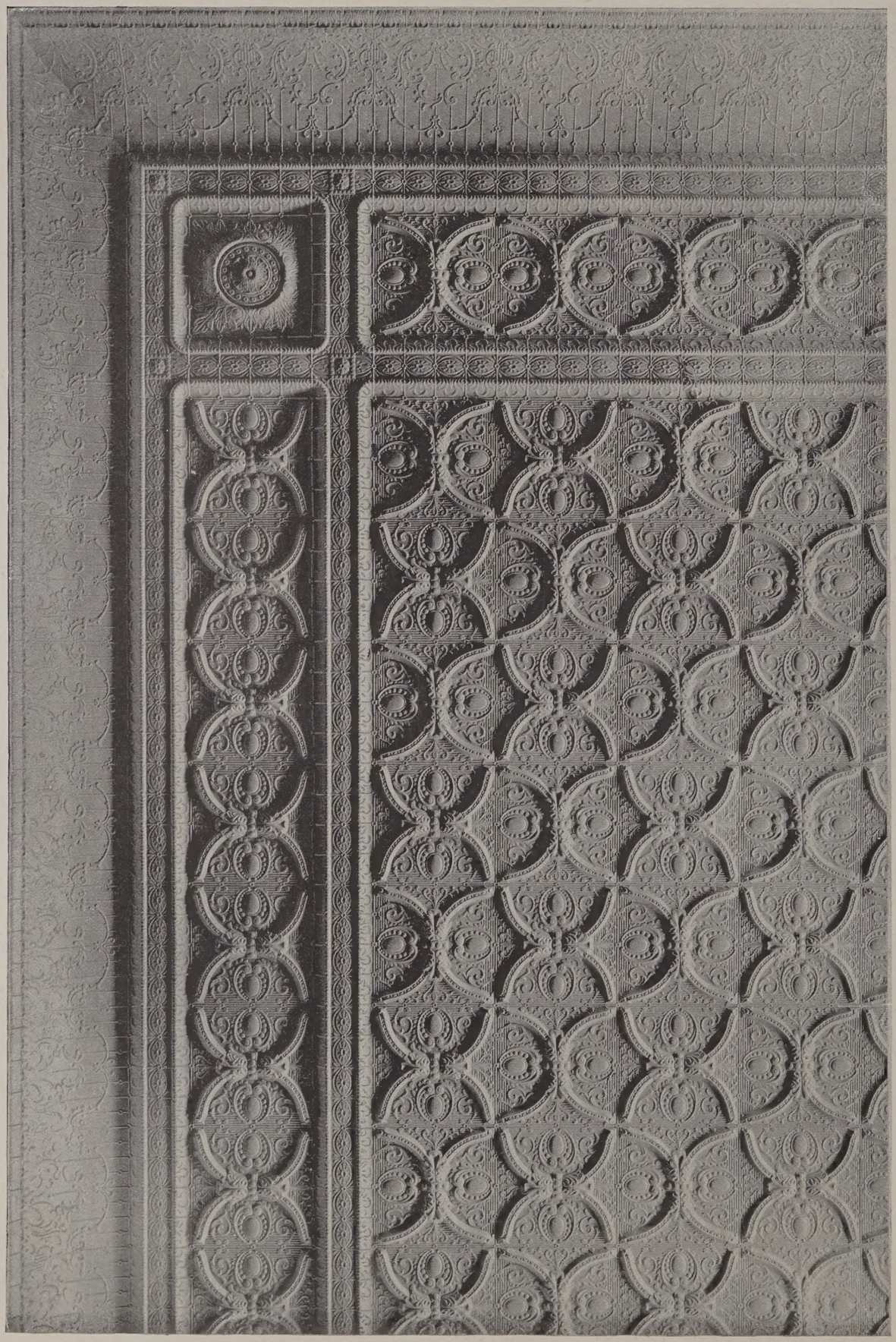


Design No. 1028. Corner Section, 14 x 21 feet. List price, based on room 26 x 42 feet, 11 cents per square foot.
Composed of Foot Mold 191, Cornice 220, Molding 182, Border 205, Corner 204, Molding 192, Ell 195, Field Plates 204, Center 1015.

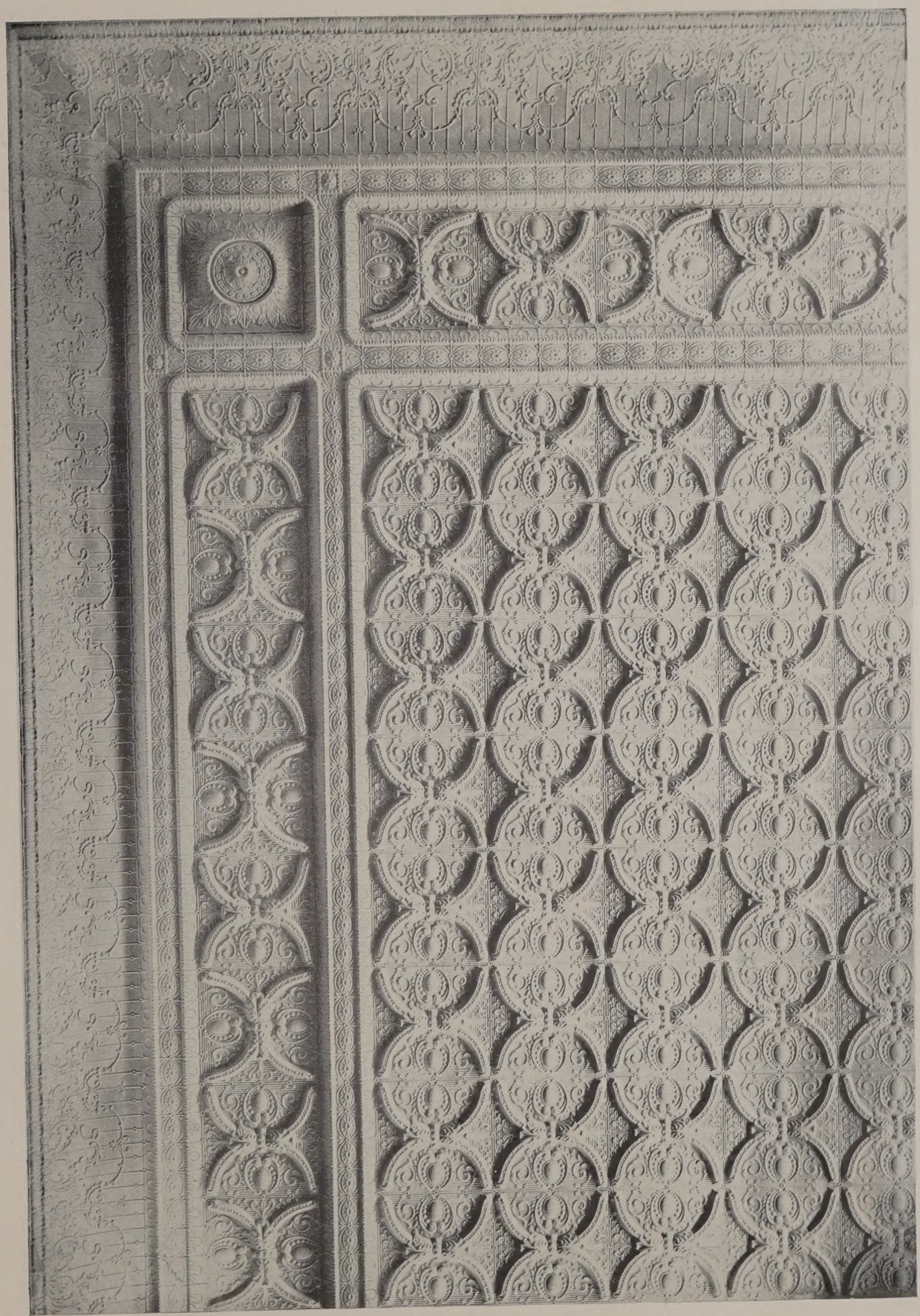
NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the filed into multiples of twelve inches.



Design No. 1030. Corner Section, 14 x 21 feet. List price, based on a room 26 x 42, 10¾ cents per square foot.

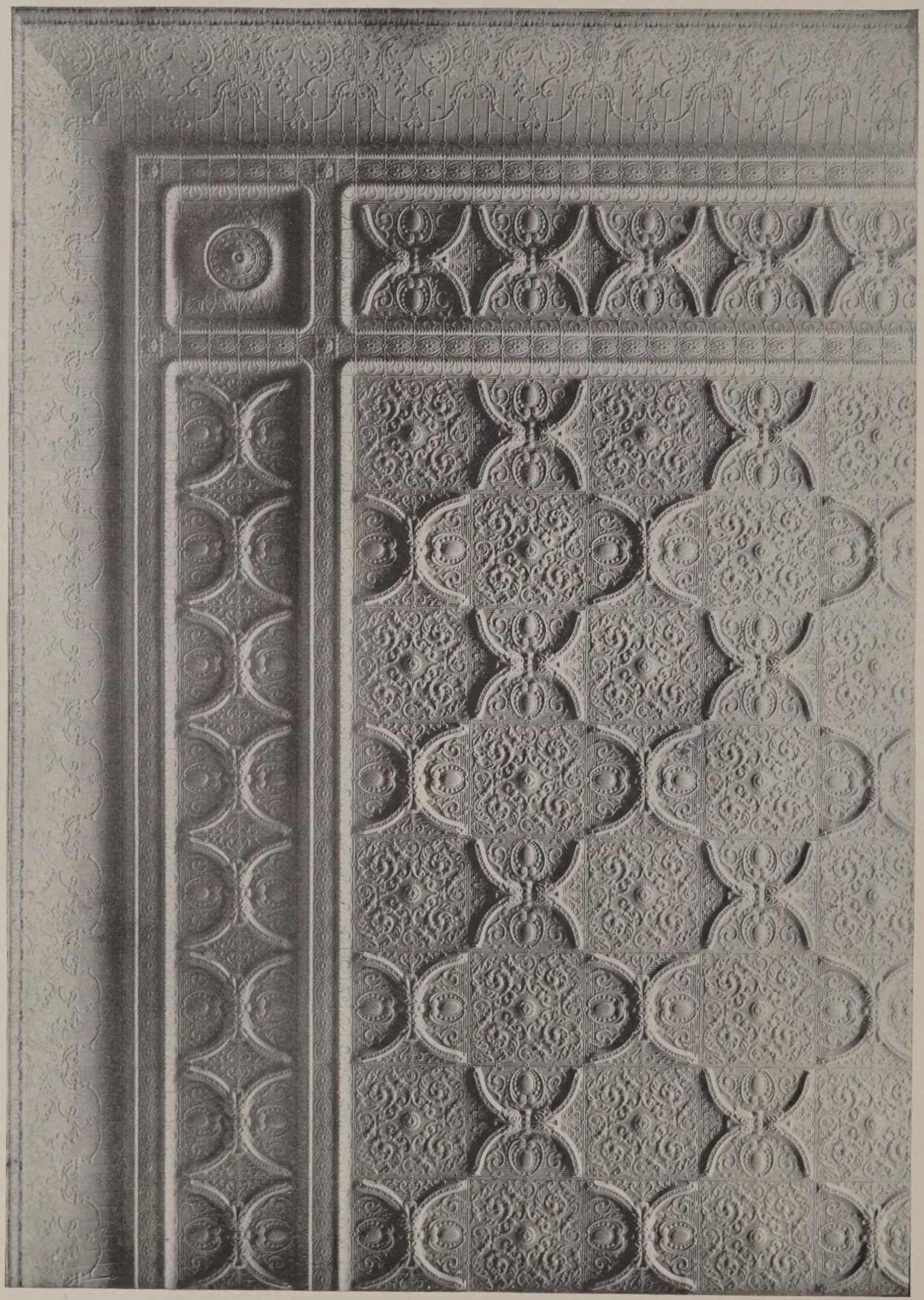
Composed of Foot Mold 182, Cornice 215, Molding 169, Cross 170, Tee 171, Ell 172, Corner 180, Border 208, Field Plates 208.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



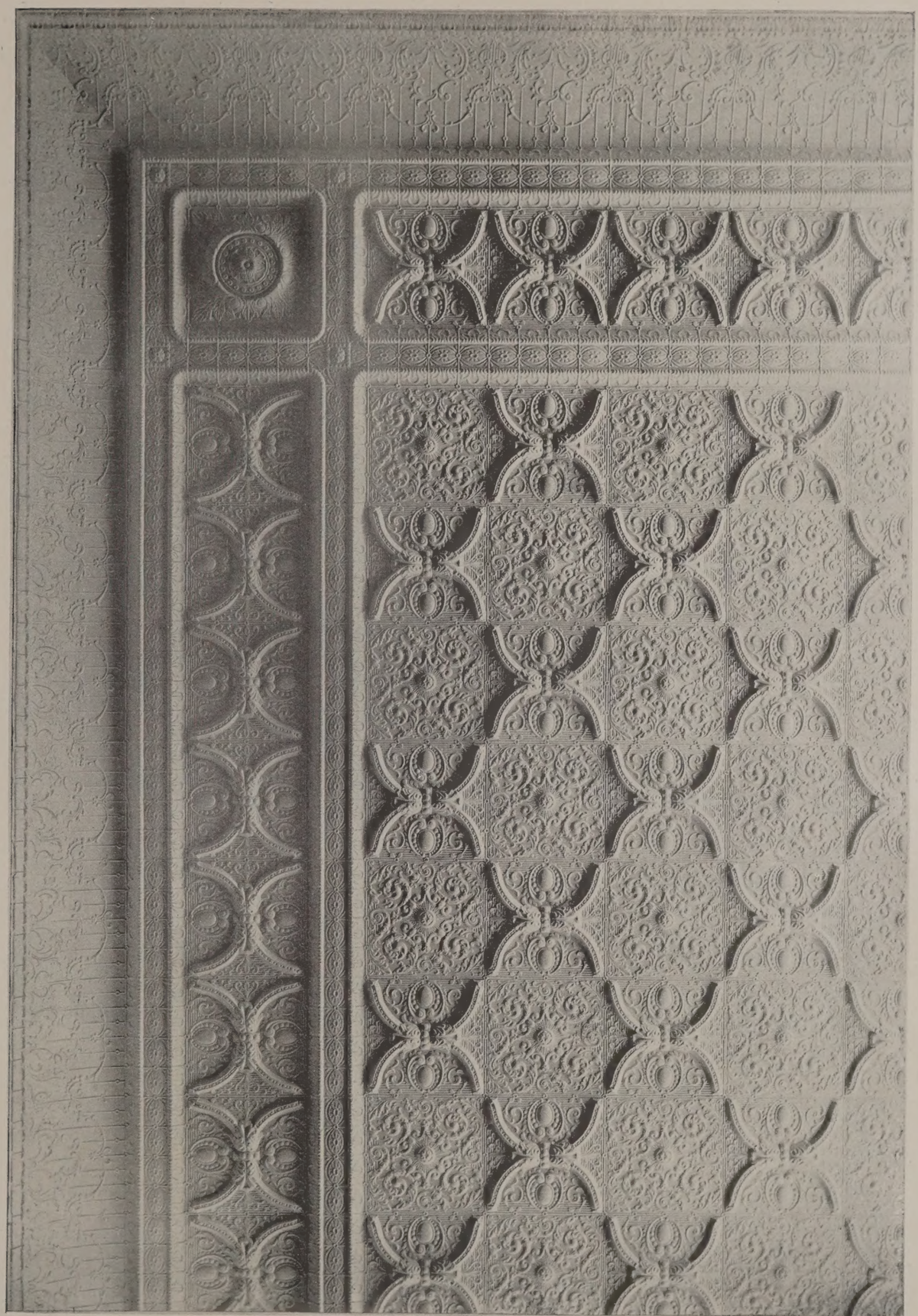
Design No. 1031. Corner Section, 14½ x 21½ feet. List price, based on a room 26 x 42 feet, 10¾ cents per square foot.
Composed of Foot Mold 182, Cornice 215, Molding 169, Cross 170, Tee 171, Ell 172, Corner 180, Border 208, Field Plates 208.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1032. Corner Section, 14½ x 21½ feet. List Price, based on a room 26 x 42 feet, 10⅓ cents per square foot.
Composed of Foot Mold 182, Cornice 215, Molding 169, Cross 170, Tee 171, Ell 172, Corner 180, Border Plates 208, Field Plates 208 and 209.

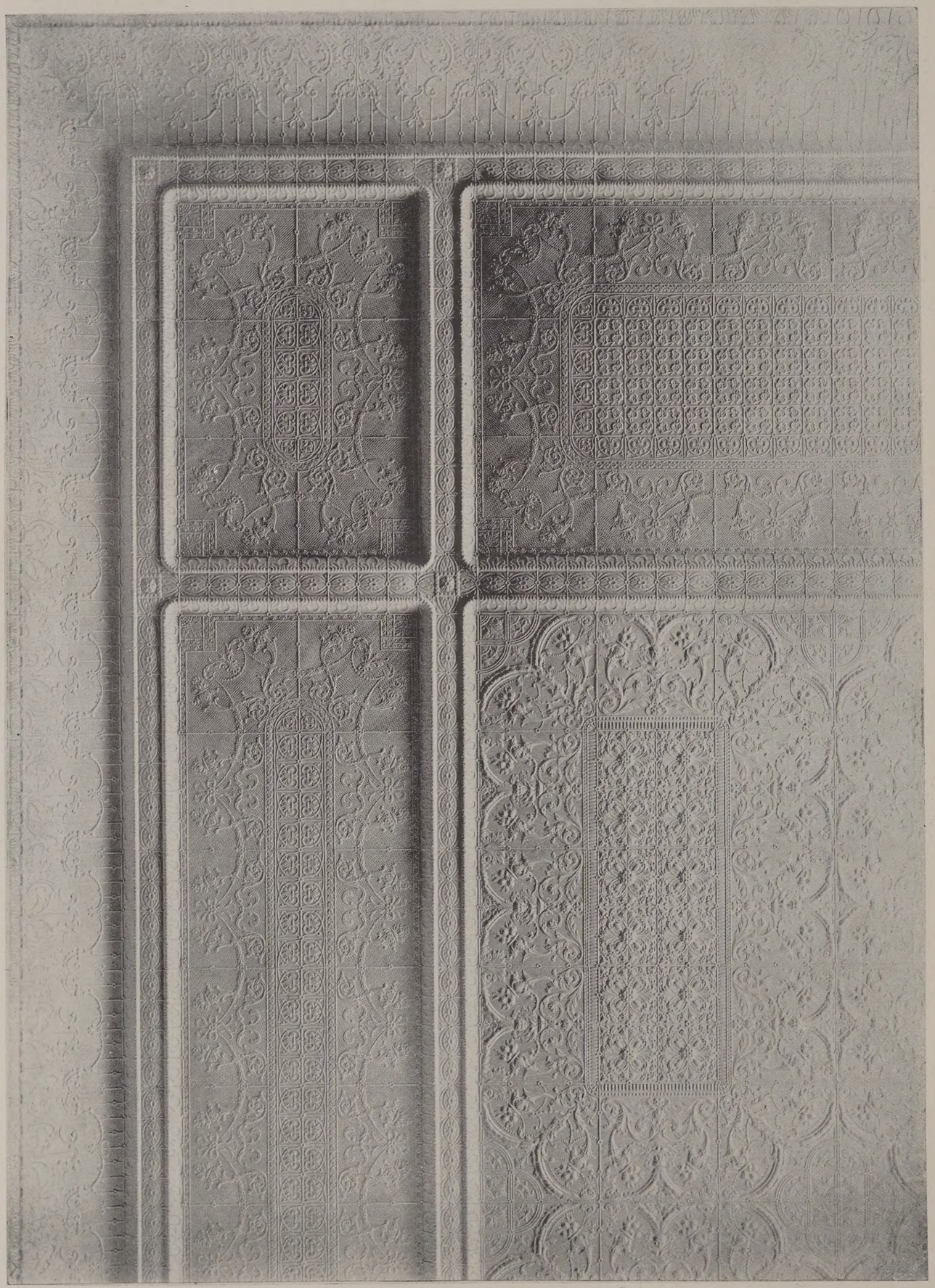
NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1033. Corner Section, 14½ x 21½ feet. List price, based on a room 26 x 42 feet, 10⅓ cents per square foot.

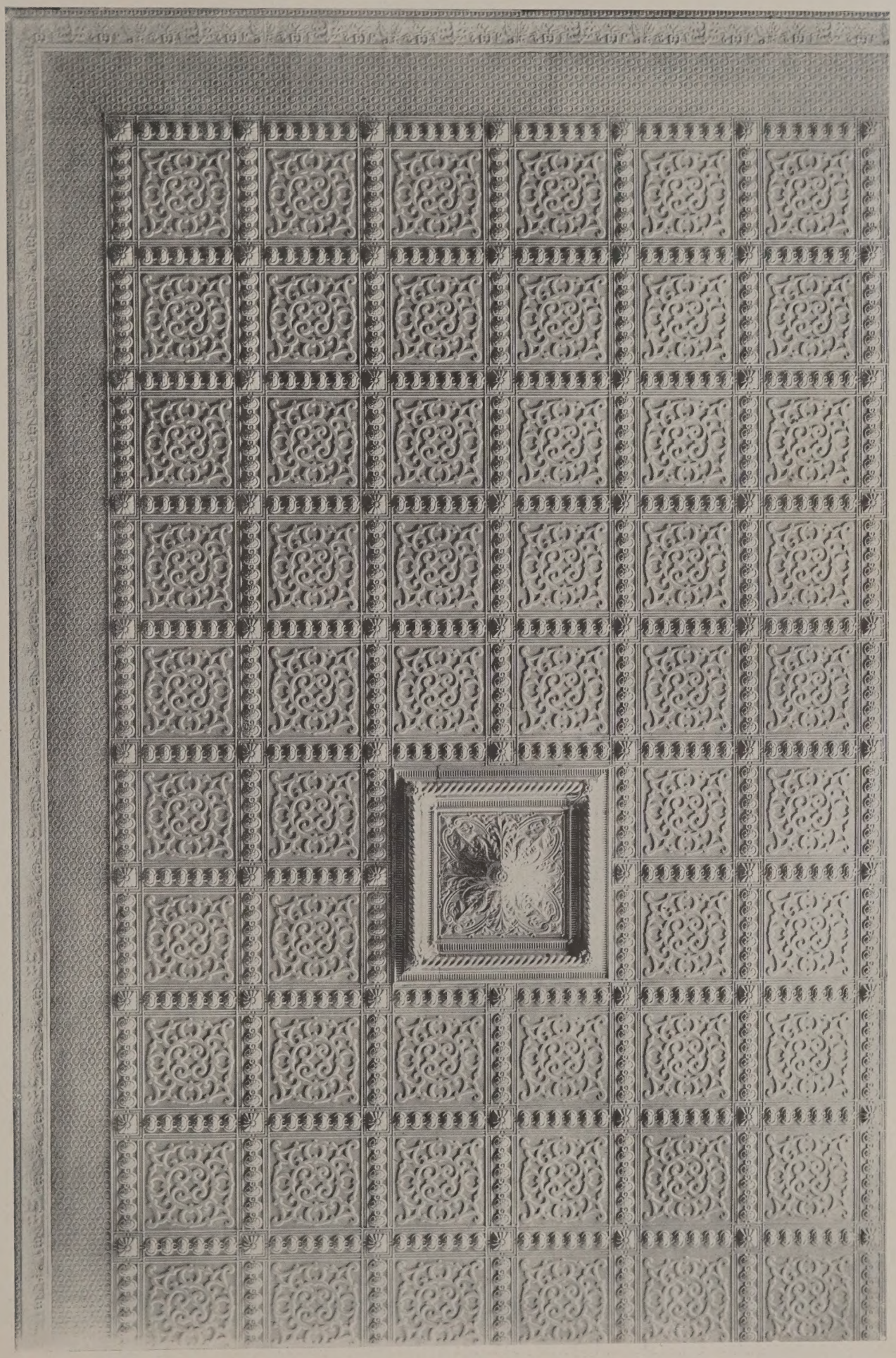
Composed of Foot Mold 182, Cornice 215, Molding 169, Cross 170, Tee 171, Ell 172. Corner 180, Border Plates 208, Field Plates 208 and 209.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1034. Corner Section, 15½ x 21½ feet. List price, based on a room 26 x 42 feet, 10 cents per square foot.
Composed of Foot Mold 182, Cornice 215, Molding 169, Cross 170, Tee 171, Ell 172, Border Plates 188, 203 and 177, Field Plates 204, 205 and 206.

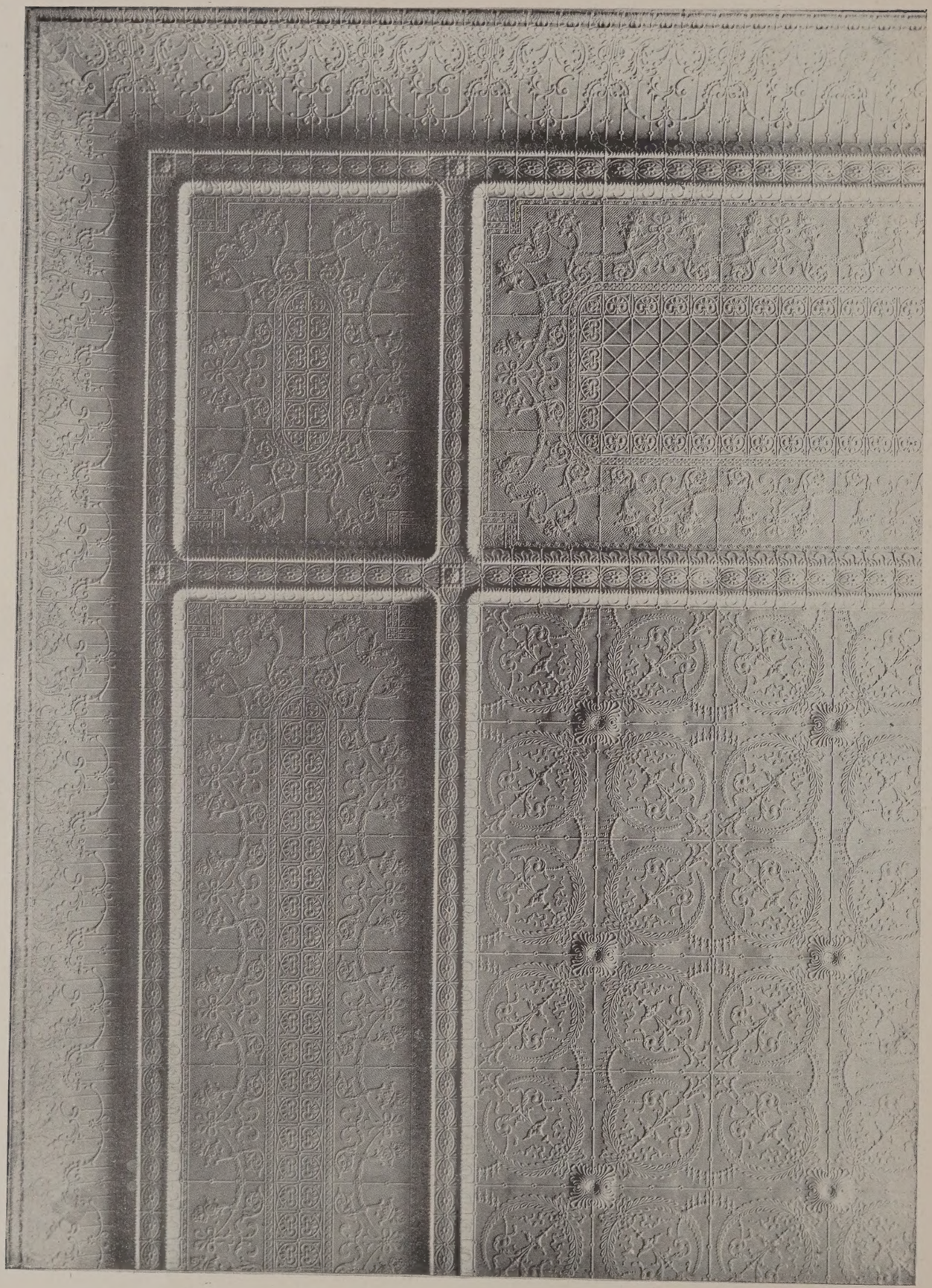
NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1065. Corner Section, 14 x 21 feet. List price, based on a room 26 x 42 feet, 9⅓ cents per square foot.

Composed of Cornice 222, Filler 216, Plates 210, Mold 234, Ells 237 and Center 181.

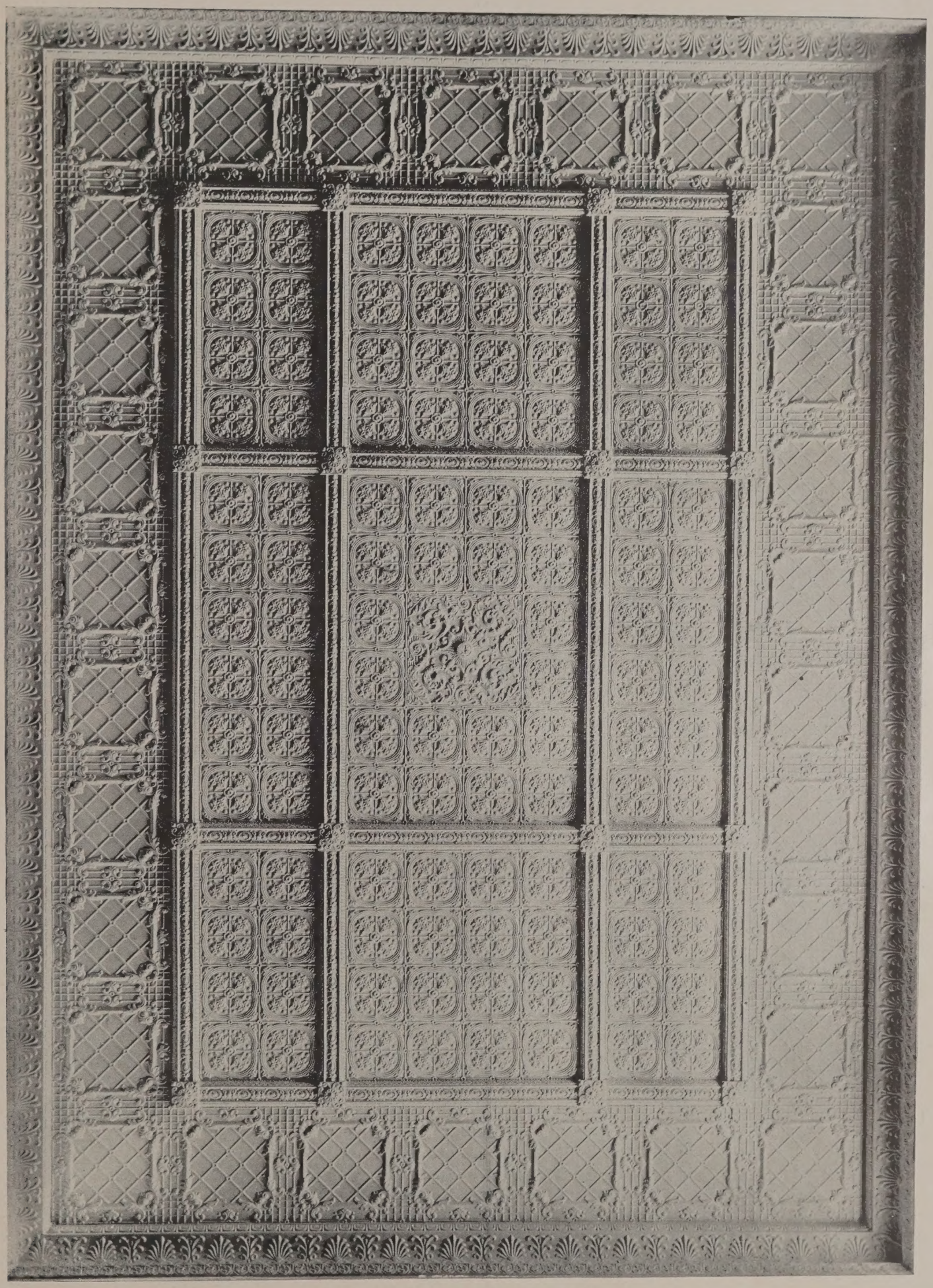
NOTE—The variation in the length and width of rooms frequently necesitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1036. Corner Section, 15½ x 21½ feet. List price, based on a room 26 x 42 feet, 10 cents per square foot.

Composed of Foot Mold 182, Cornice 215, Molding 169, Cross 170, Tee 171, Ell 172, Border Plates 188, 203 and 146, Field Plates 200.

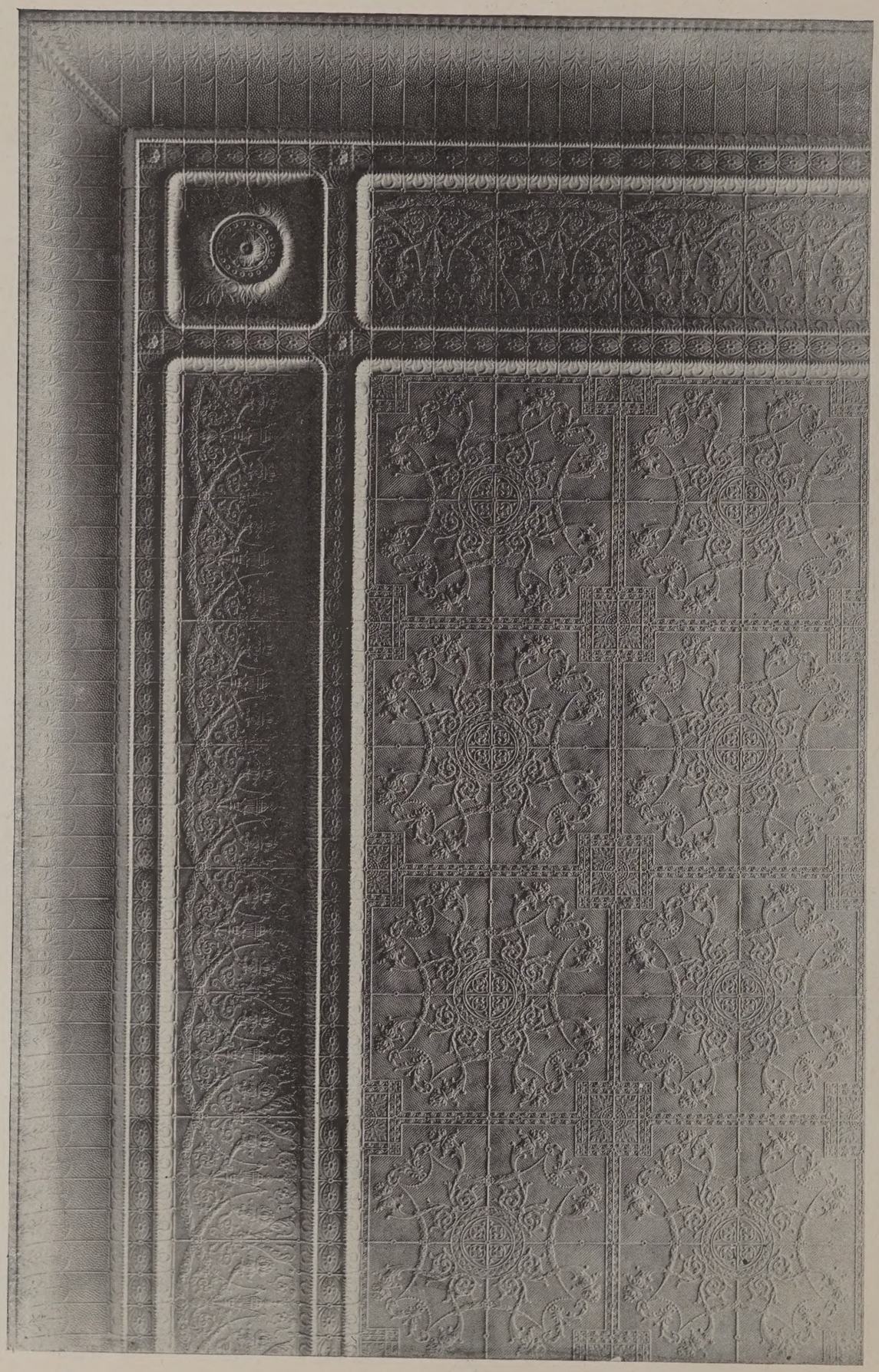
NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1037. Room 15½ x 21½ feet. List price, based on a room of this size, 11 cents per square foot.

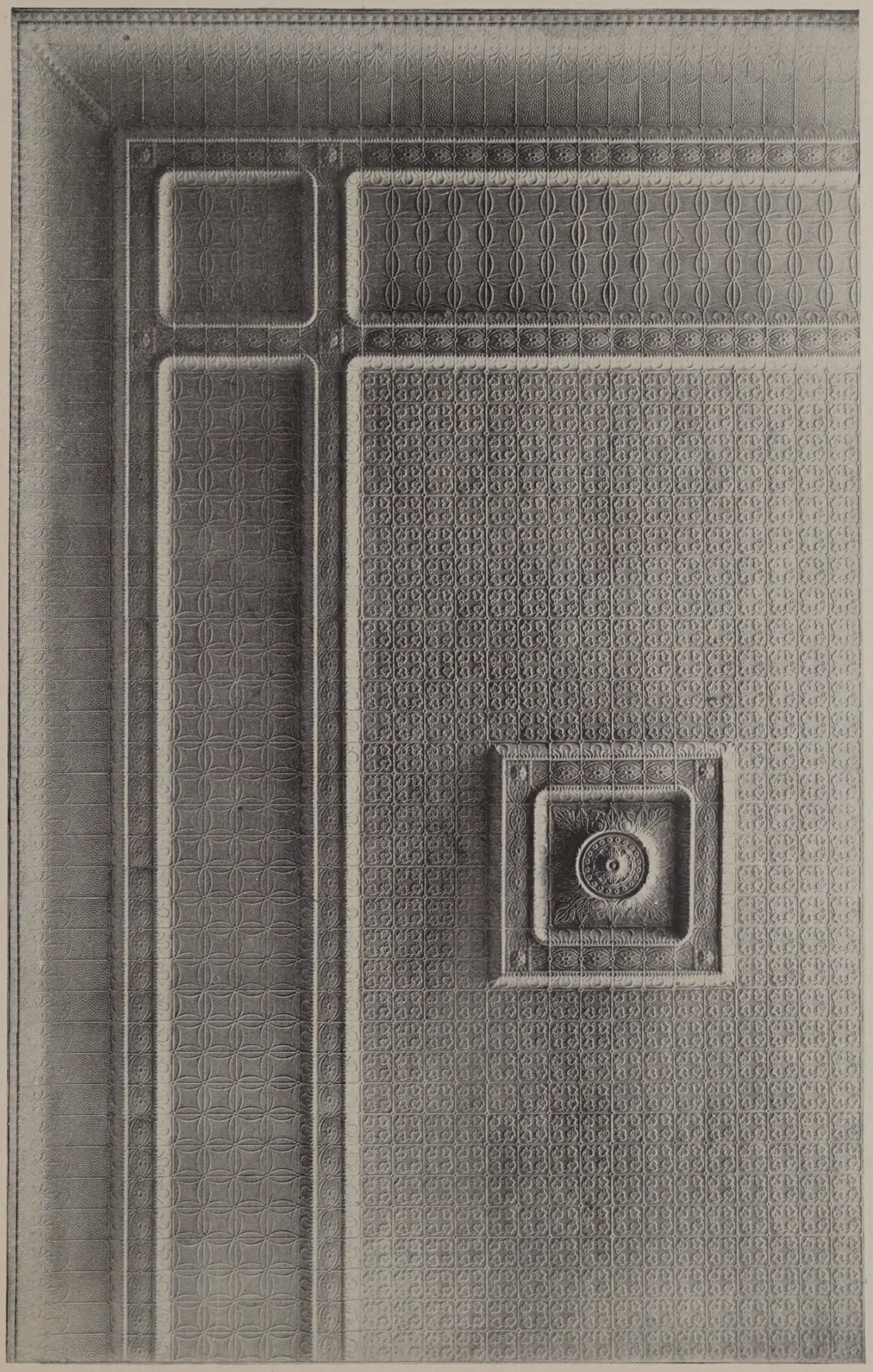
Composed of Cornice 221, Border 211, Molding 230, Cross 231, Tee 232, Ell 233, Field Plates 207, Center 209.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



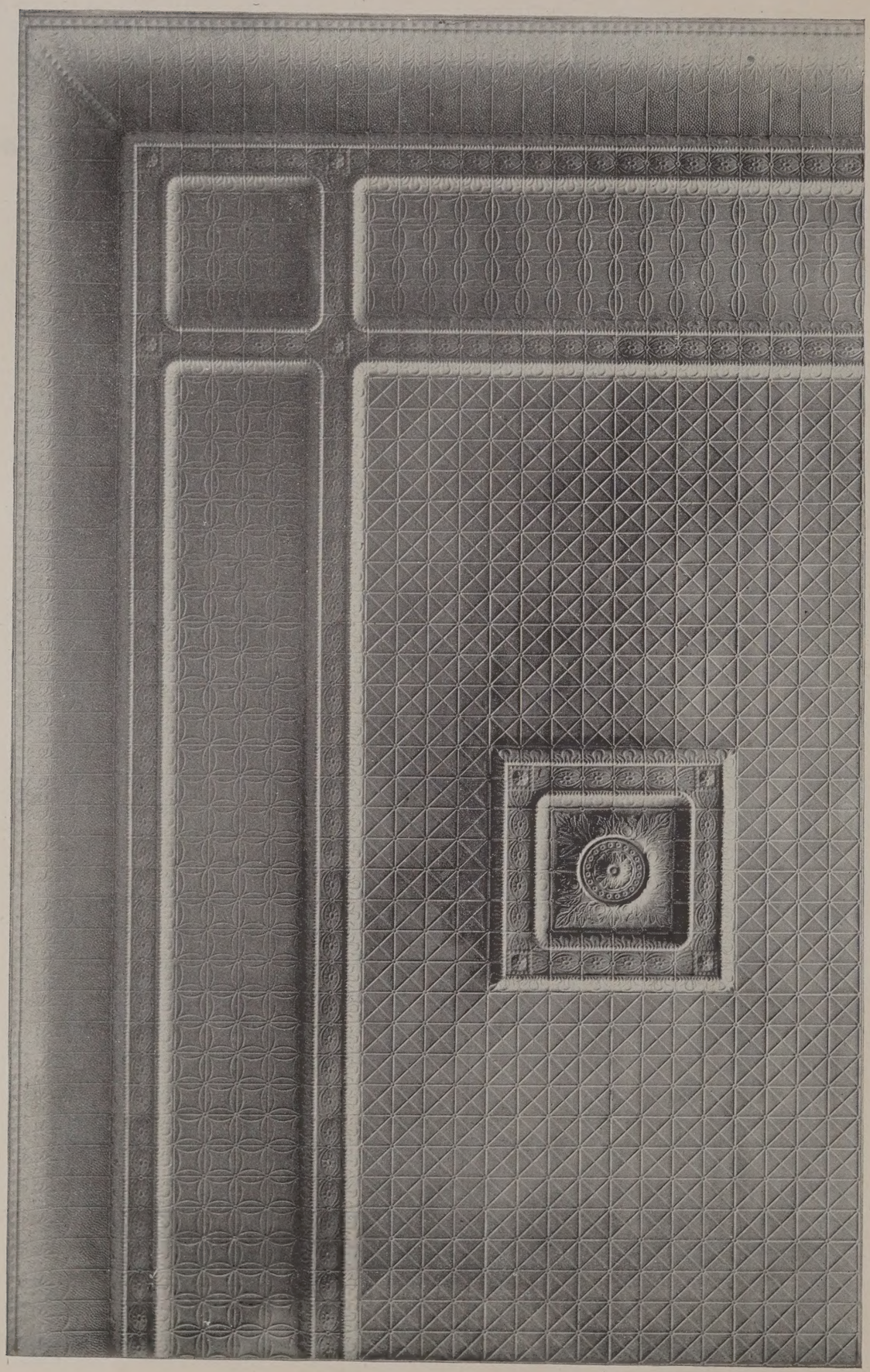
Design 1039. Corner Section, 13½ x 21½ feet. List price, based on a room 26 x 42 feet, 9¾ cents per square foot.
Composed of Foot Mold 179, Cornice 176, Leaf Mitre, Mold 169, Cross 170, Tee 171, Ell 172, Corner 180, Border 189, Field 188.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches



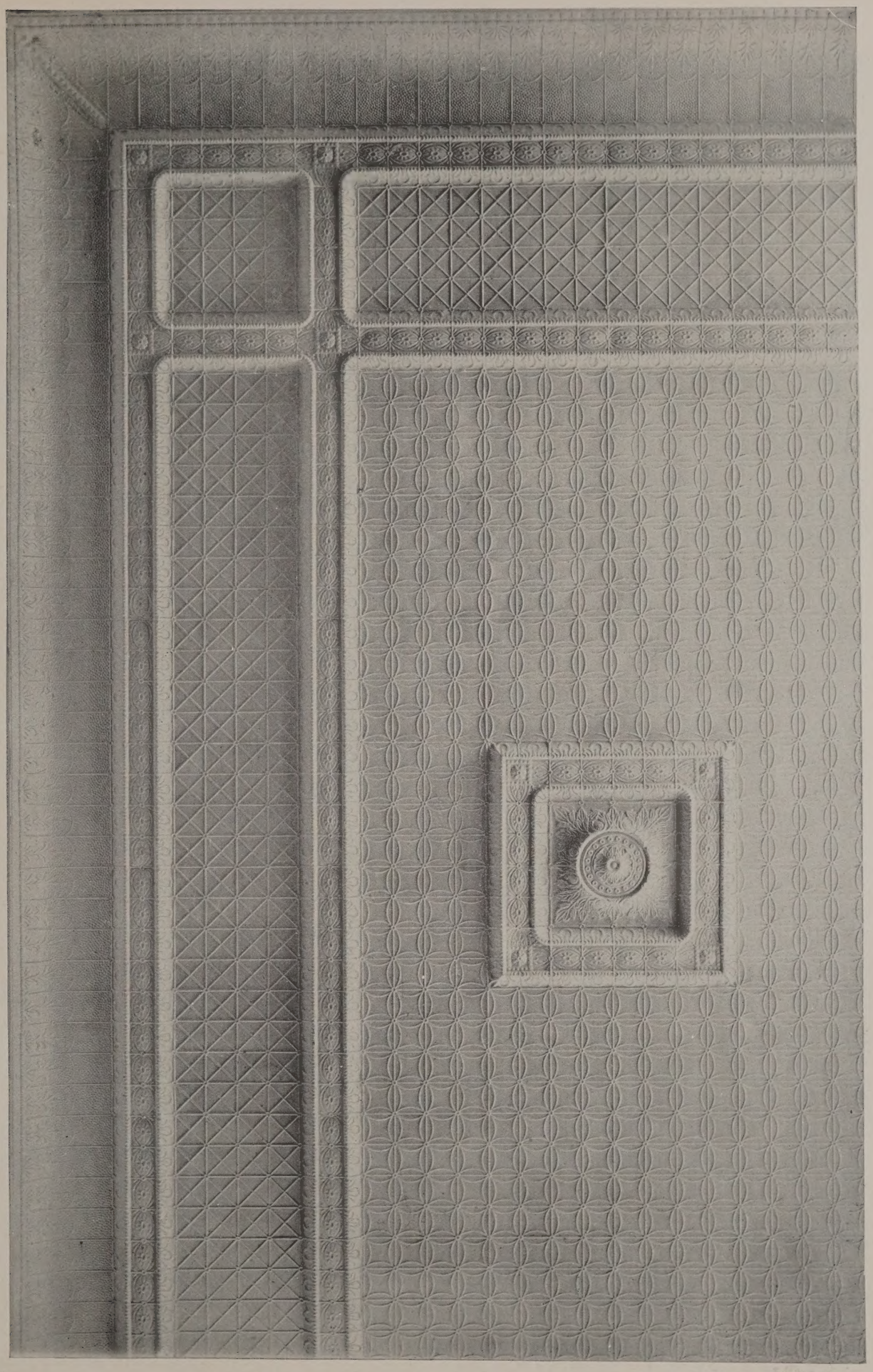
Design No. 1040. Corner Section, 14 x 21½ feet. List price, based on a room 26 x 42 feet, 9 cents per square foot.
Composed of Foot Mold 179, Cornice 176, Mold 169, Cross 170, Tee 171, Ell 172, Border Plates 162, Field Plates 177, Center 1001.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1041. Corner Section, 13½ x 21½ feet. List price, based on a room 26 x 42 feet, 9 cents per square foot.
Composed of Foot Mold 179, Cornice 176, Molding 169, Cross 170, Tee 171, Ell 172, Border Plates 162, Field Plates 146, Center 1001.

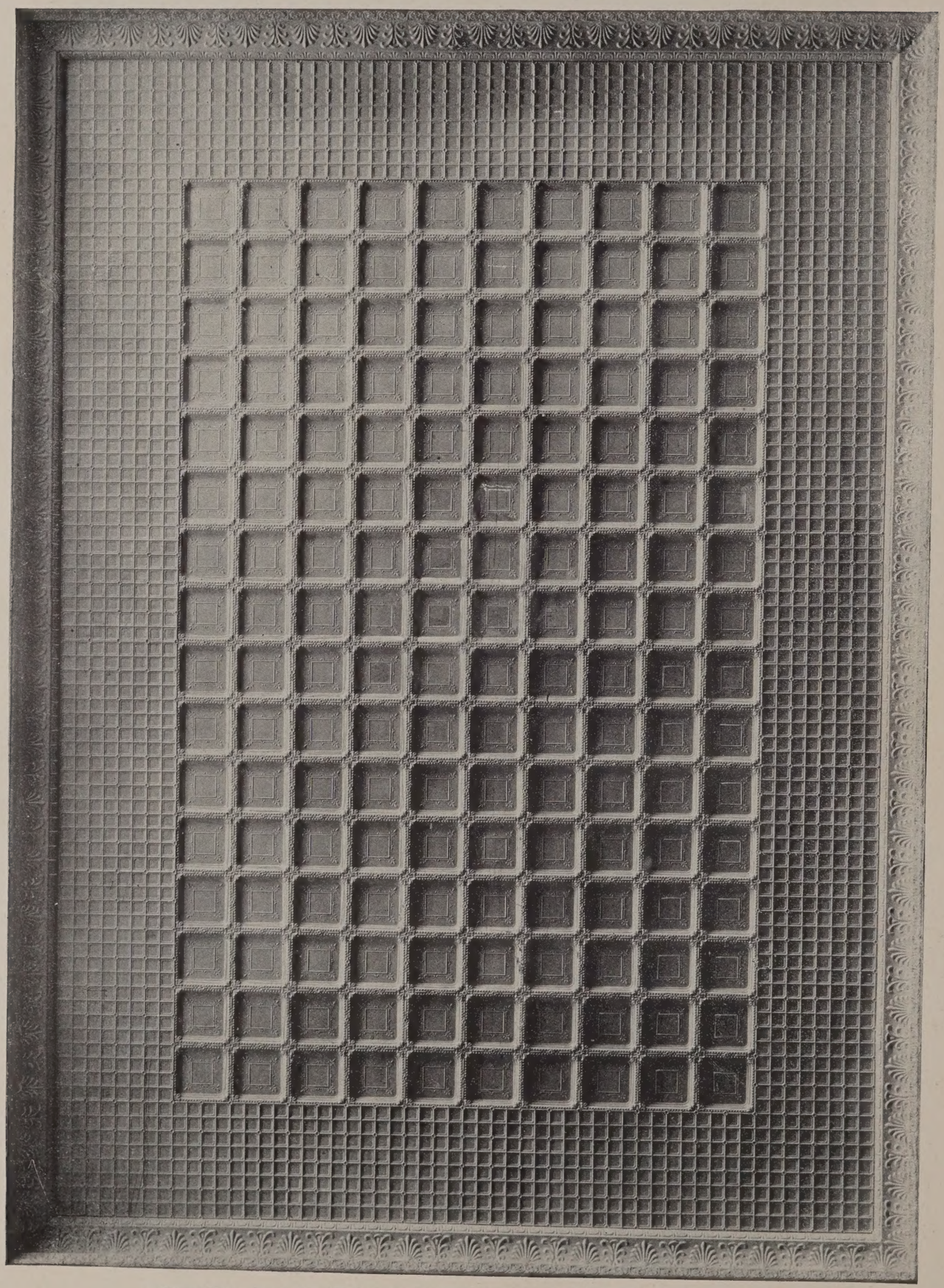
NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1043. Corner Section 13½ x 21½ feet. List Price, based on a room 26 x 42 feet, 9 cents per square foot.

Composed of Foot Mold 179, Cornice 176, Molding 169, Cross 170, Tee 171, Ell 172, Border Plates 146, Field Plates 162, Center 1001.

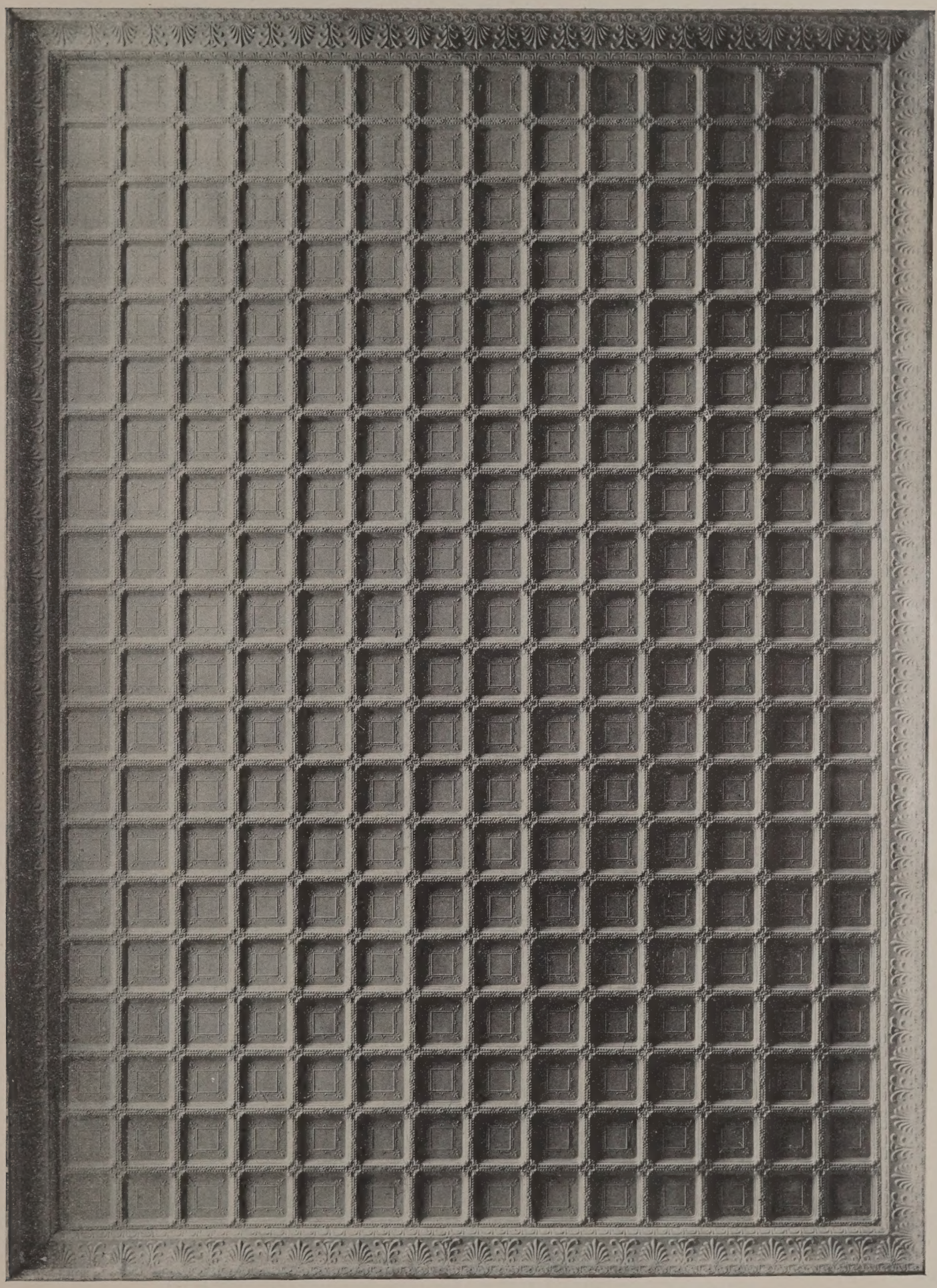
NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design 1046. Room 15⅓ x 21⅓. List price, based on a room of this size, 10 cents per square foot.

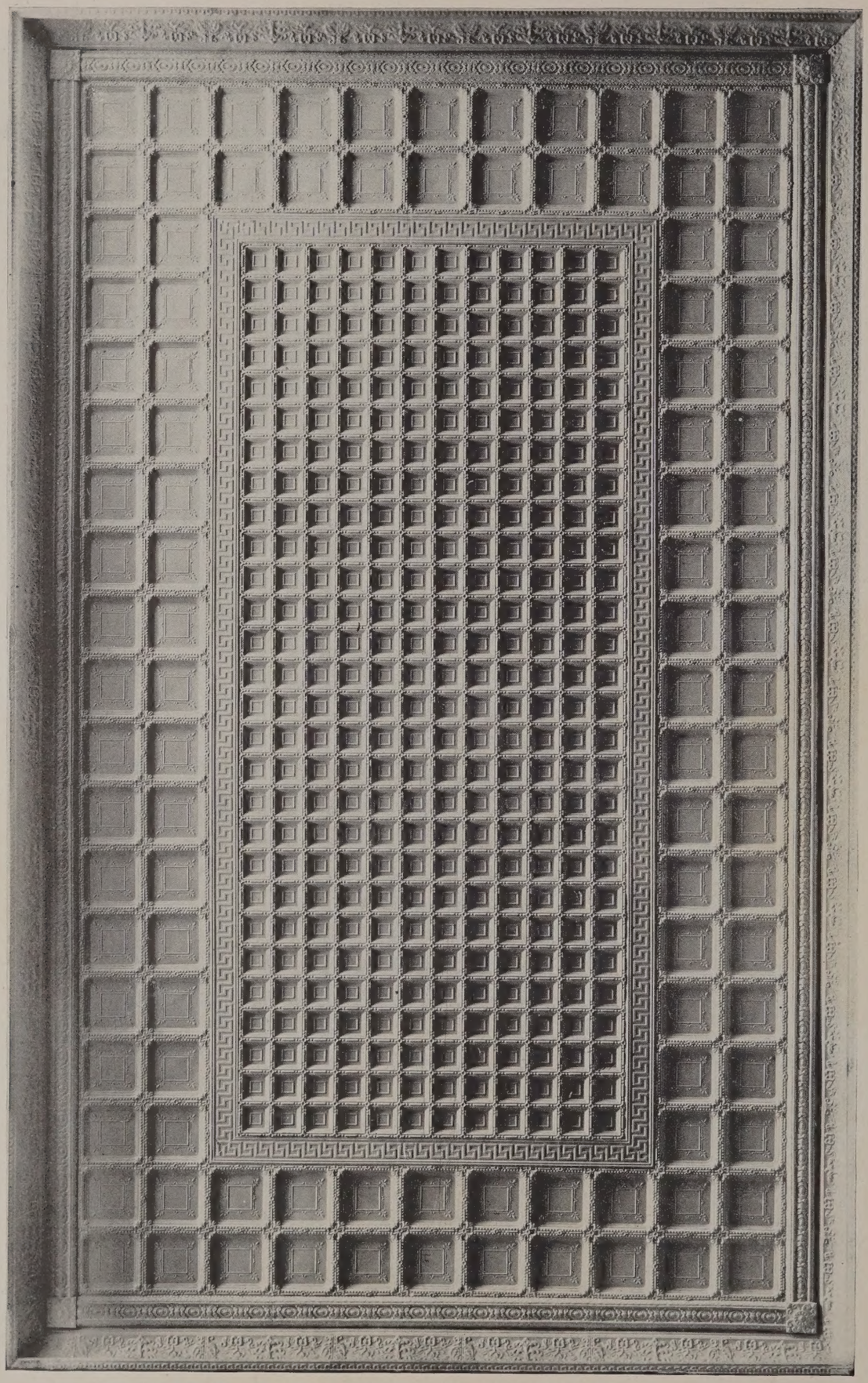
Composed of Cornice 221, Border Plates 225, Field Plates 223.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of 12 inches.



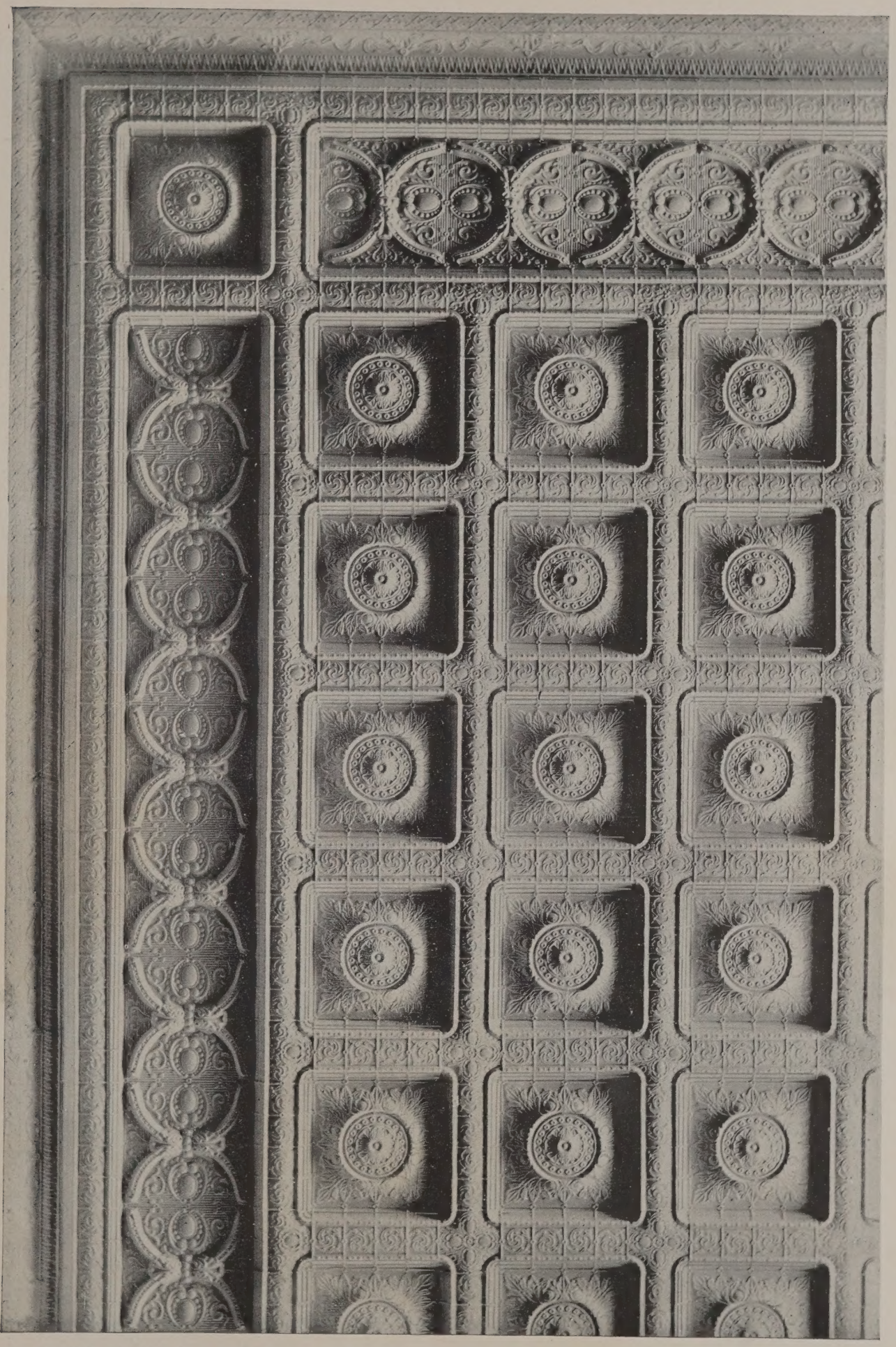
Design No. 1047. Room 15⅓ x 21⅓ feet. List price, based on a room of this size, 10⅓ cents per square foot.
Composed of Cornice 221, Field Plates 223.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



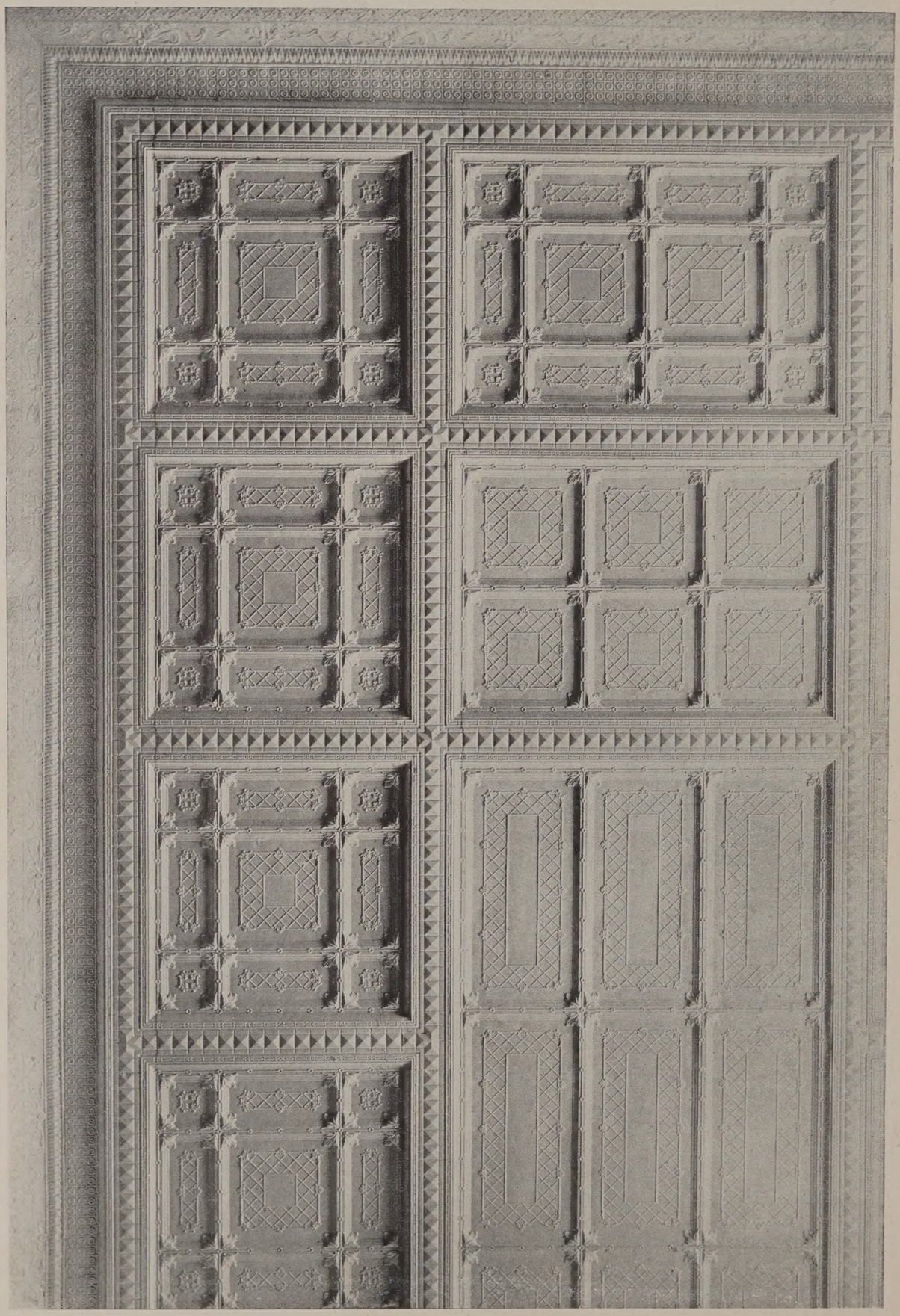
Design No. 1049. Room 13 x 21 feet. List price, based on a room of this size, 11 cents per square foot.
Composed of Cornice 222, Molding 230, Ells 232, Border Plates 223, Molding 239, Field Plates 224.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1063. Corner Section, 13 feet 9 inches x 20 feet 9 inches. List price, based on a room 26 x 42 feet, 12½ cents per square foot.
Composed of Cornice 220, Molding 192, Crosses 193, Tees 194, Ells 195, Border 208, Field 180.

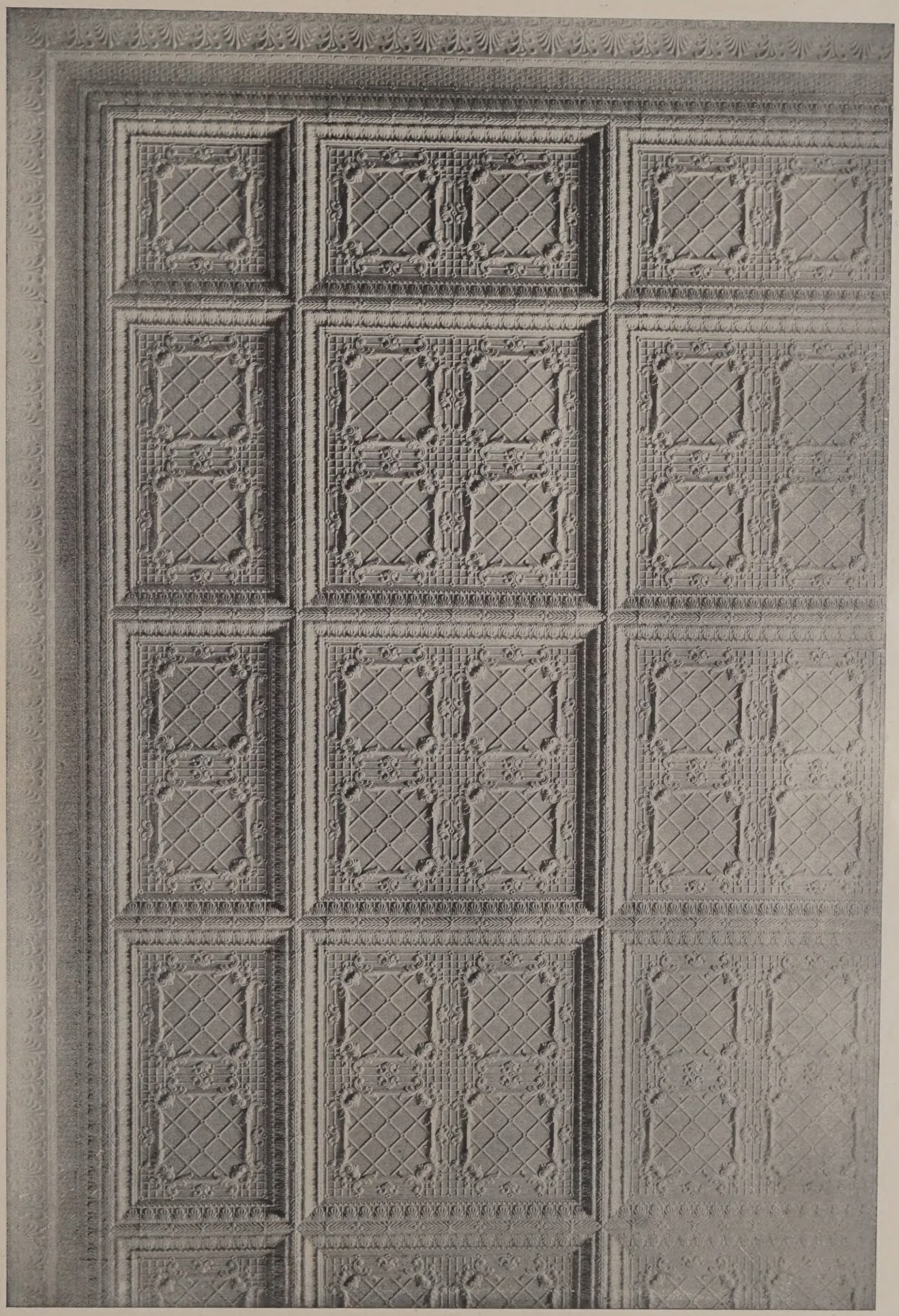
NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1067. Corner Section, 14 x 22 feet. List price, based on a room 26 x 42 feet, 10 cents per square foot.

Composed of Cornice 220, Filler 219, Molding 246, Crosses 247, Tees 248, Ells 249, Plates 226, 227, 228 and 229.

NOTE—The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.



Design No. 1068. Corner Section 14 x 21 feet. List price, based on a room 26 x 42 feet, 11 cents per square foot.

Composed of Cornice 221, Filler 216, Molding 241, Crosses 242, Tees 243, Ells 244 and Plates 211.

NOTE— The variation in the length and width of rooms frequently necessitates the use of a Filler Plate of suitable width, next to the Cornice, to throw the field into multiples of twelve inches.

GALVANIZED AND PAINTED ROOFINGS AND SIDINGS

GAUGES

Our products are full weight, and weights of Flat Black are based on United States gauge approved by Congress March 3d, 1893, shown on page 73. Section 3 of the act provides that in the practical use and application of said gauges, a variation of two and one-half per cent., either way, may be allowed.

The weight of Flat Galvanized Sheets is based on the weight of Black Sheets, and two and one-half ounces per square foot is added for the increase caused by the galvanizing.

In comparing the prices of other manufacturers with our quotations, see that the weight per square of roofings is the same.

QUALITY

Our Painted Corrugated Sheets are made from the best quality of iron. There are no sharp bends in making or applying corrugated iron, and there would be no advantage in using steel or semi-steel, although we will furnish either when desired.

We carry in stock all gauges, from No. 16 to No. 28, inclusive, in 6, 7, 8, 9 and 10 foot lengths, and of a width to lap one corrugation and cover 24 inches.

WE MAKE ALL OTHER SIZES TO ORDER PROMPTLY.

Our Painted Roll Roofings are made from the best quality of pure steel. The bends made in applying roll roofings are very sharp and the very best quality of steel is necessary. We use the best and guarantee it to stand sharp bending and double seaming. We make one quality only.

Our Painted Pressed Standing Seam and V-Crimped Roofings are made from semi-steel, which is much stronger than common iron. Common iron should never be used in these roofings, for it will not stand the bending necessary to apply them. Semi-steel will stand this bending, and we guarantee it to do so. We will furnish these roofings made from pure steel when desired.

We will not fill orders for these roofings made from common iron, for it will not give satisfaction to our customers. We are willing to have our products analyzed by any competent chemist, and pay for having the analysis made, if he does not report the quality to be as we represent it in this catalogue.

We inspect each sheet before painting and guarantee all our roofings to be free from holes, splits and other defects.

Galvanized Roofings and Sidings are made from steel perfectly coated with zinc. They are very durable. We know of buildings on which they have been for forty years and are now, apparently, as good as new.

We make estimates when detailed dimensions are given. See Directions for Ordering, page 64, Figs. 7 and 8.

PAINTING

The quality of the paint used by different manufacturers, as well as the method used in drying the painted sheets, is necessarily of the greatest importance to buyers and users of painted metal roofing and siding of all kinds.

Good red paint is made by mixing a first-class mineral with pure linseed oil and a little first-class drier—just enough drier to make the paint hard in about forty-eight hours. Linseed oil gives to the paint its lasting quality. It is the most expensive part of the paint. In this fact lies the reason for many manufacturers lowering their cost of painting by using substitutes for linseed oil, as well as using as little oil and as much drier as possible. The drying of painted sheets should not be forced by either an excessive quantity of turpentine or benzine drier or steam heat. The unnatural forcing of the drying process is sure to result in badly painted material that will not last when exposed to the weather.

Having explained the reason why the painting should be of the best quality, we desire to state that our paint is made from the Clinton dry iron ore, thoroughly mixed and ground in pure linseed oil, and with a minimum amount of the best quality of drier.

Our drying rooms are of ample size to give the painted sheets forty-eight to seventy-two hours in which to dry. We believe that it costs us more per square to paint than any other manufacturer of this material. The additional cost is made up entirely by the difference in the quality of our paint. Our facilities for painting, drying and handling sheets are unexcelled, if equaled. It is our constant aim and endeavor to paint our sheets in the best possible manner, regardless of the cost of the materials used. We believe that the very best quality of paint is necessary to protect the metal, and that a poor paint will not sufficiently protect the best quality of metal. We respectfully urge you to consider this subject very carefully when buying.

All painted metal roofing and siding should be repainted as soon as applied, to protect any places where the paint has come off in shipping or applying. Do not, under any circumstances, allow your metal roofing or siding to be painted with any product of coal tar.

INSURANCE

Steel or iron roofings reduce the rates of insurance fully one-third, as a rule, and in towns poorly provided with fire apparatus, as much as one-half to two-thirds. As it is difficult to obtain fair adjustments from the fire insurance companies in case of loss, builders should endeavor to make their building fire-proof.

CARE OF ROOFS

As all the metals in common use for roofing will rust, it is necessary to protect their surface by a coating of a durable character. Good paint is the cheapest effective coating that can be used, and if it is renewed every three or four years it is entirely satisfactory.

RULES OF MEASUREMENT

In selling Sheet Metal Building Material on which all quotations are based:

All Iron and Steel Roofing, Siding, Ceiling, excepting Galvanized, Calamined and Tin, is painted both sides, unless otherwise ordered, and sold by *the Square* or *Square Foot*, except heavy gauge Corrugated Iron and Steel, which is sold by the square or pound, as preferred.

A Square consists of 100 square feet, calculated by the following rules:

Corrugated Iron and Steel—Full width and length of sheets, after corrugated or formed, is calculated.

V-Crimped, Beaded, Weatherboard and Imitation Brick and Stone (Iron and Steel)—Full length of sheets and actual covering width is calculated.

Standing Seam (Iron and Steel)—Actual covering width and full length is calculated, whether the sheets are connected by end-locks and shipped in rolls, or separate and shipped in crates.

Wide Gutters and Valleys—Full length and width of material is calculated.

Nails, Clips and Rivets, Wood Strips, Dry Paint, Cement and Ready Mixed Paints are sold by the pound, gallon or square (the amount generally required in applying a square). They are not included in the price quoted for the Roofing, Siding and Ceiling, but when furnished are charged as separate items.

Ridge Roll, Ridge Cap, Corrugated Wood Strips, Corner Boards, Panel Strips, Window and Door Case Coverings, Moldings, Stilings, Eaves Troughs, Conductor Pipes, etc., are sold by the lineal foot and charged as separate items when furnished. They are not included in prices quoted for Roofing, Siding and Ceiling.

CORRUGATED SHEETS FOR ROOFING, SIDING, CEILING, CORNICE, DOORS, SHUTTERS, AWNINGS, ETC.

Corrugated is the strongest form of sheet metal. It is the best material for use on buildings of moderate cost to make them fire proof. The corrugations stiffen the sheets and make them suitable for use on light, inexpensive framing; the result being a cheap, substantial, fire-proof building of handsome appearance.

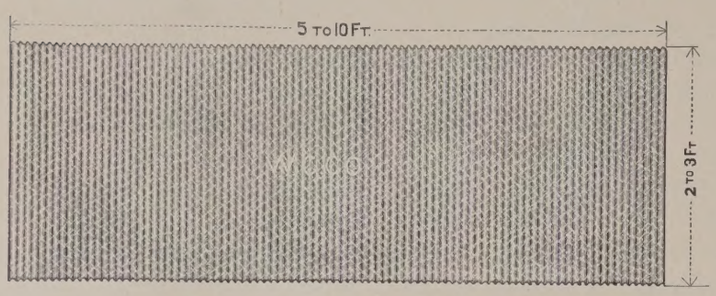


Fig. 0. $\frac{3}{16}$-inch Corrugated Sheets, 26 gauge and lighter.

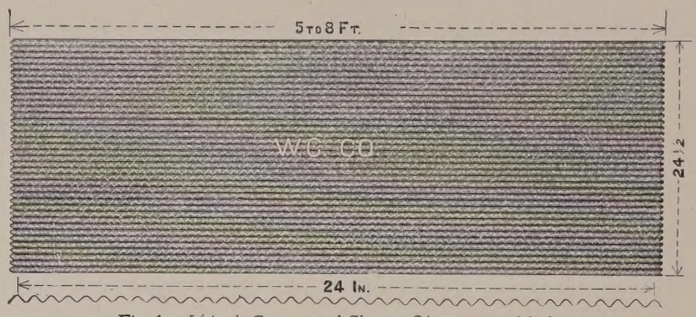


Fig. 1. $\frac{5}{8}$-inch Corrugated Sheets, 24 gauge and lighter.

Our $\frac{3}{16}$-inch Corrugated Sheets for ceiling, cornice, shutters, etc., are much stiffer than flat sheets. They can be worked in a brake and have come into general use by cornice makers.

Our $\frac{5}{8}$-inch Corrugated Sheets for ceiling, siding, shutters, etc., are stiffer than 2½-inch Corrugated Sheets of the same gauge, and weigh more per square. The five per cent. addition in cost over the latter is nearly compensated for in the difference of the width of the side lap.

Fig. 2. 1¼-inch Corrugated Sheets, 22 gauge and lighter.

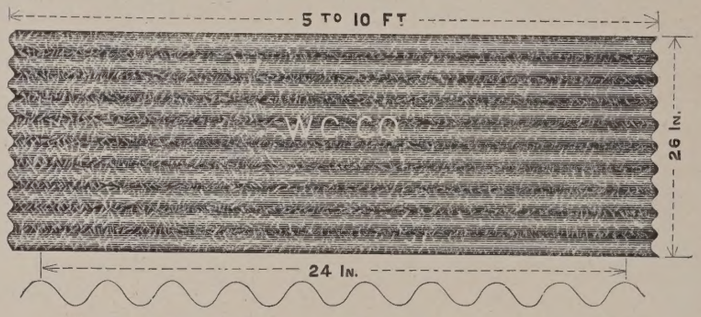


Fig. 3. 2½-inch Corrugated Sheets, 16 gauge and lighter.

Our 1¼-inch Corrugated Sheets, for all covering purposes, are stiffer than the 2½-inch Corrugated Sheets of the same gauge, and weigh more per square. We especially recommend this size for siding. The five per cent. addition in cost over the 2½-inch is nearly compensated for in the difference of the width of the side lap.

Our 2½-inch Corrugated Sheets are the standard of high quality and are in general use for covering purposes.

PRICE LIST AND APPROXIMATE WEIGHTS OF 2½-INCH CORRUGATED SHEETS

100 square feet, one square. No allowance for laps. Galvanized and painted red.

GAUGE	No. 28		No. 27		No. 26		No. 24		No. 22		No. 20		No. 18		No. 16	
	Galv'd	Painted	Galv'd	Painted	Galv'd	Painted	Galv'd	Painted	Galv'd	Painted	Galv'd	Painted	Galv'd	Painted	Galv'd	Painted
Approximate Weights per square in pounds.	86	69	93	77	99	84	127	111	154	138	182	165	236	220	291	275
List Prices	$6.50	3.75	6.75	4.00	7.00	4.25	8.00	5.25	9.50	6.25	11.00	7.25	14.00	9.25	17.50	11.25

For White Painted Sheets add 25 cents per square.

For Graphite Painted Sheets add 15 cents per square.

Three-sixteenths inch Corrugated Sheets same as list. For $\frac{5}{8}$-inch and 1¼-inch Corrugated Sheets, same gauges as above, add five per cent.

Wire nails for applying, 6 cents per square.

Sufficient dry paint for second coating, 4 cents per square.

Unless ordered, wire nails and dry paint will not be shipped.

Add 25 cents for package on orders of less than eight squares.

Boxing adds five to seven pounds and banding one to two pounds per square.

WRITE FOR DISCOUNT SHEET.

DIRECTIONS FOR APPLYING CORRUGATED ROOFING TO WOODEN FRAMING

Begin to lay the sheets from the eaves, the first sheet covering the lower left hand corner, projecting one corrugation over the side and about three inches over the eave, as shown in Fig. 9. Hammer the projecting side corrugation against the side of the sheathing, nailing it in place. Nail across the eaves at the top of the alternate corrugations, driving the head of the nail *to the iron only*—do not indent the corrugation. Place the second sheet to the right of the first, lapping one or one and one-half corrugations, and with same amount of eave projection. Nail the two sheets where they lap, through the tops of the corrugations, as shown in Fig. 10, and about eight inches apart, and along the eaves as on the first sheet.

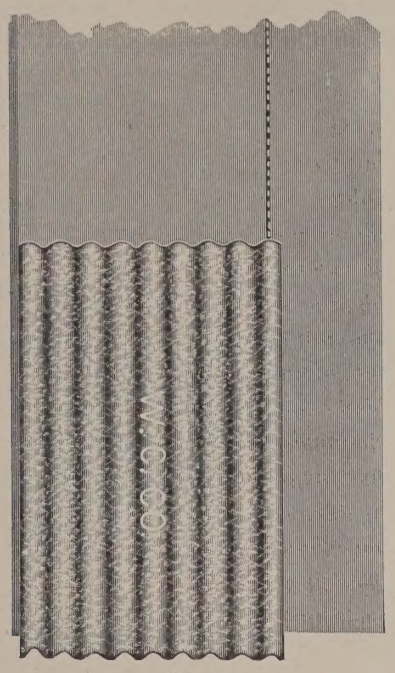


Fig. 9

Proceed in this manner from left to right across the length of the roof, then begin at the left and lay the second row in the same manner, allowing the sheets to overlap the first row three to six inches according to the slope of the roof. Nail across the lower ends of the sheets in the second row about two inches from the end of the sheets, through both sheets. Use corrugated wood filler (Fig. 40) on each side of the comb or ridge of the roof, and over this place the ridge roll (Figs. 33 or 39, page 88), as shown in Fig. 5.

Fig. 10

With Nos. 26, 27 and 28 gauges, purlins or sheathing are recommended.

Fig. 40

Where the pitch of the roof is considerable—for example, six inches to the foot—a lap of not less than three inches will suffice at the end of the sheets.

Where the pitch is less than three inches per foot, we recommend the use of our Self-Capping Roll Roofing (Figs. 21 and 22, page 67), or Pressed Standing Seam Roofing (Figs. 23 and 24, page 69).

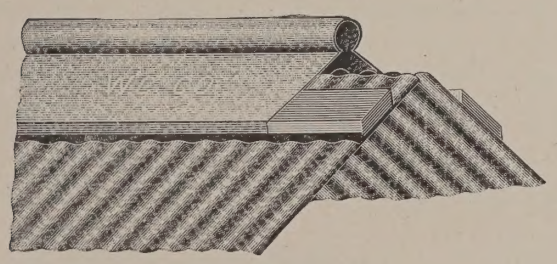


Fig 5

DIRECTIONS FOR APPLYING CORRUGATED SIDING TO WOODEN FRAMING

Begin at the bottom, running first row across the side, lapping one corrugation. Do not let the iron touch the ground. Keep the corrugations plumb and in line. Put the second row on in the same manner, lapping ends of sheets down over first row. One inch is sufficient for the lap. Where used without sheathing boards the studding should be framed to measure from center to center to correspond with covering width of sheets; or, if preferred, put the studding three or four feet apart and nail the sheets to the purlins, placing the purlins two feet apart and across the studding. Care should be taken to keep the siding a few inches from the ground, as shown in Fig. 6.

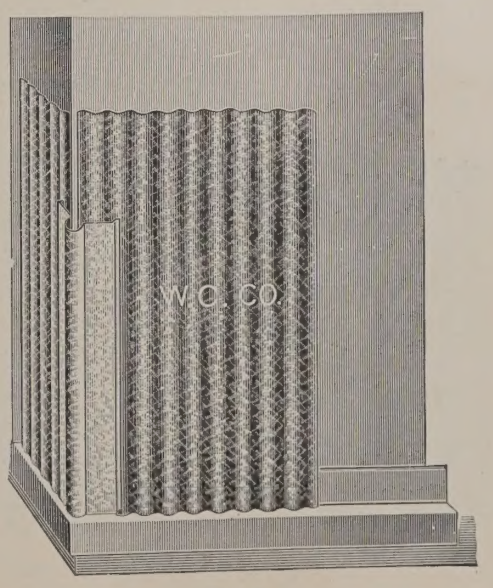


Fig. 6

FOR APPLYING TO IRON FRAMING

The side laps should be riveted every eight to twelve inches and end laps on every other corrugation.

To fasten the sheets to iron beams and purlins, a cleat of band-iron, ¾ or ⅞ of an inch wide, should be passed round the purlins or beams and riveted at both ends to the sheet. By contracting or pressing this cleat to web of I-beams or purlins, a tight, secure fastening is made, which allows for contraction and expansion of sheets.

We do not advise the use of corrugated iron on any roof of less pitch than three inches to the foot. Truss roofs should have not less than one-fifth or one-fourth pitch.

Write for discount sheet.

AVERY LIBRARY
COLUMBIA UNIVERSITY

DISTANCE BETWEEN SUPPORTS OF ROOF

No. 16 gauge can be used on purlins seven to nine feet apart. No. 18, six to seven feet apart. Nos. 20 and 22, four to five feet apart. No. 24, two to four feet apart. Nos. 26, 27 and 28, two feet apart.

Where Nos. 16, 18, 20, 22 or even 24 gauges are used sheathing may be dispensed with.

DIRECTIONS FOR ORDERING STANDARD 2½-INCH CORRUGATED SHEETS

First select the best lengths of sheets to fit the space, bearing in mind the end laps. On siding one inch lap will do, while for roofing nothing less than three inches, and if a slight pitch, six inches. As each sheet lays just two feet wide, it is a simple matter to ascertain the number of sheets necessary to cover the space. Then estimate the number of feet in our two and one-half (2½) inch corrugated sheets as follows:

6 feet long, 13 square feet, lay 2 feet wide, selling measure 26 inches wide
7 feet long, 15⅙ square feet, lay 2 feet wide, selling measure 26 inches wide
8 feet long, 17⅓ square feet, lay 2 feet wide, selling measure 26 inches wide
9 feet long, 19½ square feet, lay 2 feet wide, selling measure 26 inches wide
10 feet long, 21⅔ square feet, lay 2 feet wide, selling measure 26 inches wide

On 1¼-inch Corrugated Sheets, figure as follows:

6 feet long, 12⅝ square feet, lay 2 feet wide, selling measure 25¼ inches wide
7 feet long, 14⅜ square feet, lay 2 feet wide, selling measure 25¼ inches wide
8 feet long, 16⅝ square feet, lay 2 feet wide, selling measure 25¼ inches wide

When necessary we can cut sheets in the middle and give half sheets of any of the above lengths. When we cut to odd inches, say 7 feet 9 inches, we charge for an 8-foot sheet, unless we have two or three weeks in which to fill order, so as to have the sheets made odd sizes.

As no allowance is made for laps, the following table gives the number of feet necessary to cover one square. This table is based on using 96 inch sheets. If longer or shorter sheets are used the number of square feet necessary to cover one square will vary slightly:

End Laps	1 Inch	2 Inches	3 Inches	4 Inches	5 Inches	6 Inches
Side Lap, 1 corrugation	110 feet	111 feet	112 feet	113 feet	114 feet	115 feet
Side Lap, 1½ corrugations	116 feet	117 feet	118 feet	119 feet	120 feet	121 feet
Side Lap, 2 corrugations	123 feet	124 feet	125 feet	126 feet	127 feet	128 feet

Unless otherwise ordered we ship 8-foot sheets of No. 28 gauge.

For a ridge roof building fill out a diagram, like Fig. 7 below, and order ridge cap (Figs. 33 and 39, page 88) and corrugated wood filler (Fig. 40, page 88), if either is wanted. For a shed roof, fill out a diagram like Fig. 8, allowing for necessary projections at eaves, ends, for comb, etc.

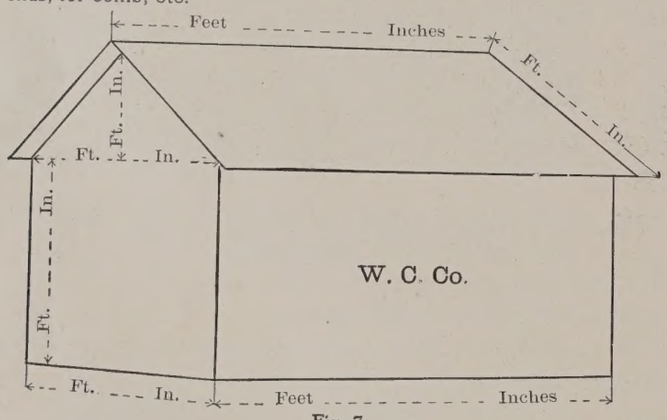


Fig. 7

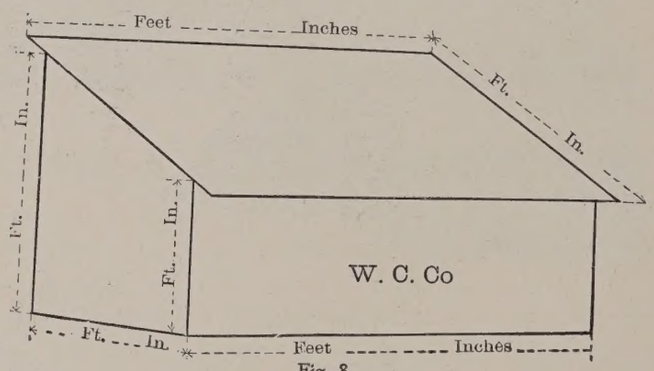


Fig. 8

CROSS CORRUGATED ELEVATOR SHEETS

For covering grain elevators and all buildings with board or plank sides.

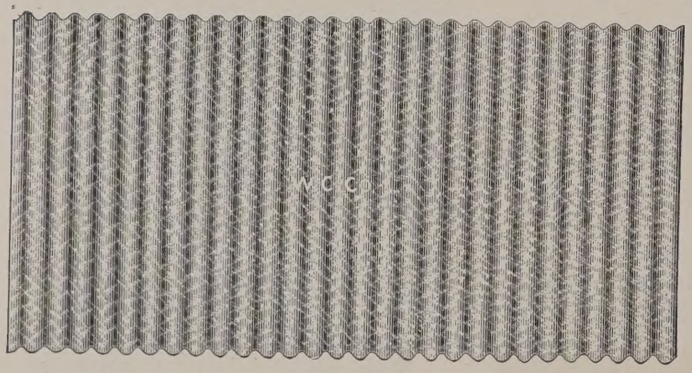


Fig. 13. 2½-inch Cross Corrugated.

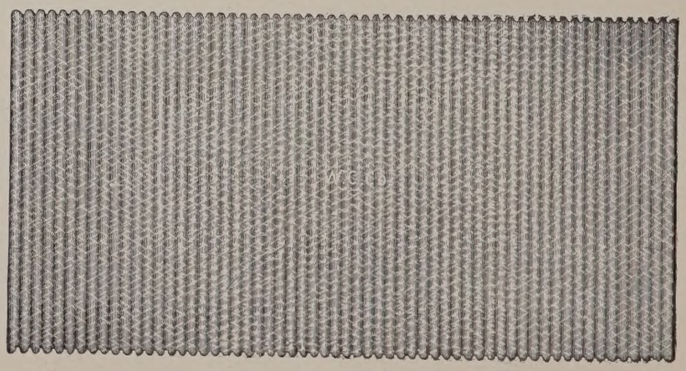


Fig. 14. 1¼-inch Cross Corrugated.

DIRECTIONS FOR APPLYING

Allow two inches end lap and nail two inches above the upper edge of the lower sheet, as this allows each sheet two inches' space for movement if the elevator should settle. The corners should be protected with a corner cap (Figs. 41 and 42, page 88), applied as shown in Fig. 6, page 63. ⅝-inch cross corrugated sheets are used for ceilings and special purposes generally.

WRITE FOR DISCOUNT SHEET.

STOCK LENGTHS OF CROSS CORRUGATED SHEETS—28 Inches Wide

2½-inch corrugations 45, 50, 56, 66, 77, 88, 100 and 110 inches
1¼-inch corrugations 44, 49, 55, 65, 76, 87, 99 and 109 inches
⅝-inch corrugations 44, 49, 55, 65, 76, 87, 99 and 109 inches

We make all other gauges and special sizes to order, promptly.

CURVED CORRUGATED SHEETS—2½ and 1¼ inch Corrugations

OUR FACILITIES FOR CURVING ARE UNEQUALED

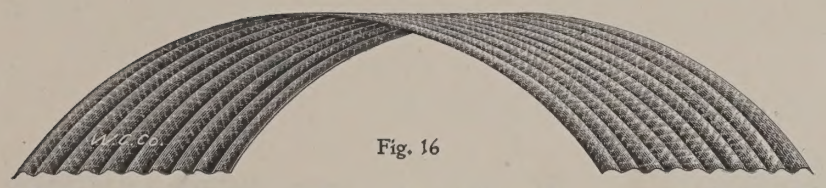


Fig. 16

Standard 2½-inch Corrugated Curved Sheets (Fig. 16), for ceiling between I-beams, as shown in Fig. 17, and roofing narrow passageways between buildings, are strong and at the same time light, durable and fire proof. No. 18 gauge, 2½-inch Corrugated Curved Sheets, show no deflection with a pressure of one thousand pounds per square foot, and very little deflection with a pressure of two thousand pounds per square foot

DIRECTIONS FOR ORDERING

If for roofing, allow for projections. If for ceiling, give the distance between the webs of the I-beams, rise of arch, and the length and number of spaces to be covered.

Sheets three to ten feet long can be curved to any desired radius, and in any gauge from No. 16 to 28, inclusive.

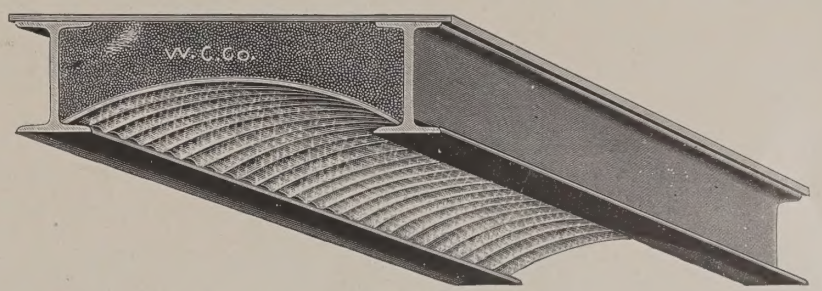


Fig. 17

SINGLE CURVED CORRUGATED SHEETS

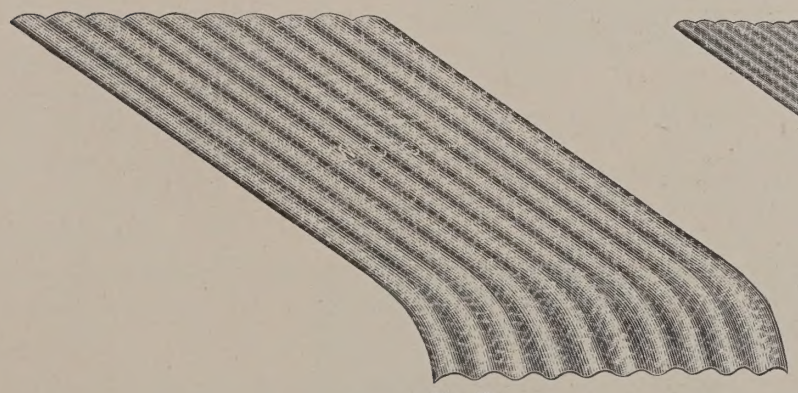


Fig. 19

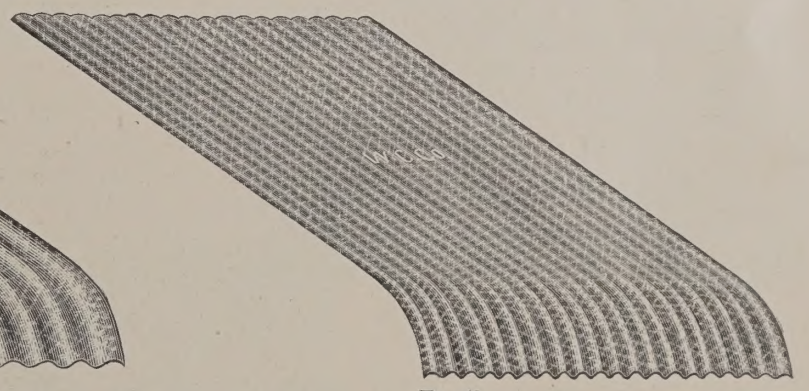


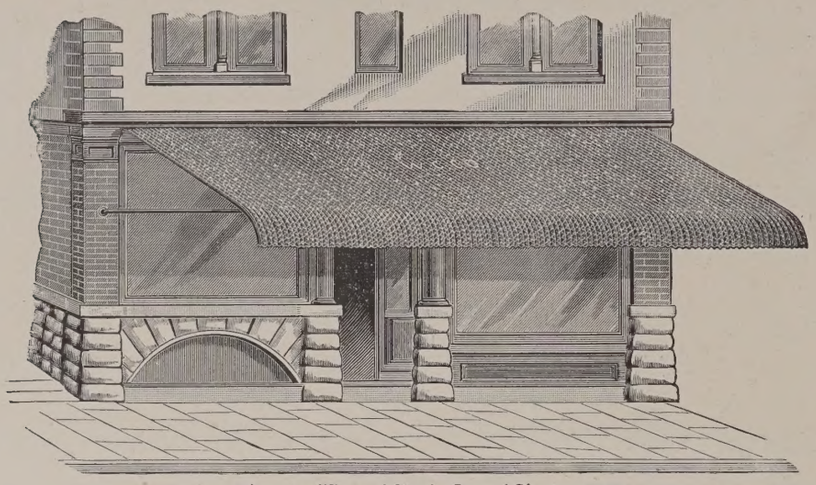
Fig. 63

Single Curved Corrugated Sheets, 2½-inch corrugations, as shown in Fig. 19, or 1¼-inch, as shown in Fig. 63, for awnings, are strong, cheap, durable, easily appplied, and neat.

Our facilities for curving sheets of any gauge or size of corrugations are unsurpassed.

Price, 20 per cent. more than straight corrugated of same gauge for any of the above curved sheets.

WRITE FOR DISCOUNT SHEET.



Awning Made of Single Curved Sheets.

Sheets three to ten feet long can be curved to any desired radius, and in any gauge from number sixteen to twenty-eight, inclusive. We do not furnish the awning frames. These can be made of pipe or structural iron by any plumber or machinist.

DOUBLE CURVED CORRUGATED SHEETS

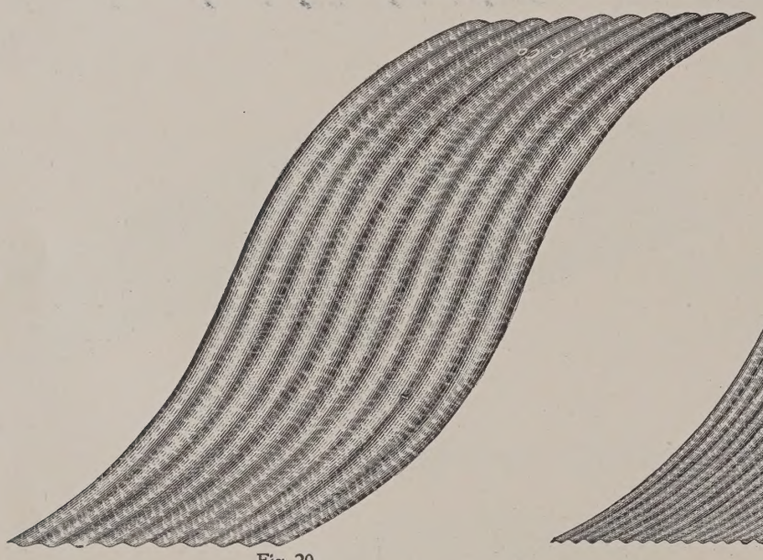


Fig. 20

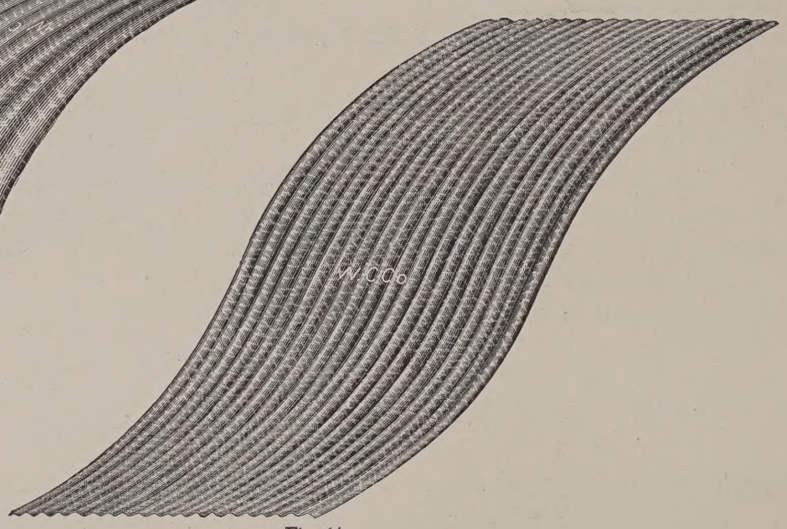
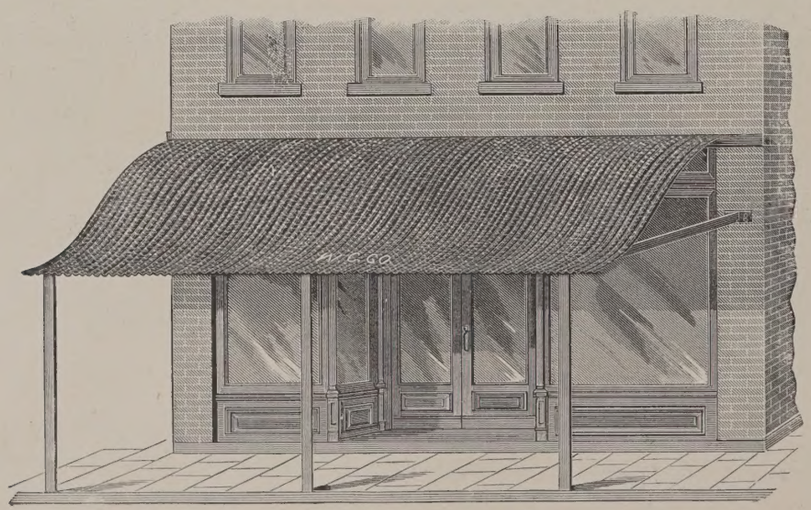


Fig. 64

Double curved corrugated sheets, 2½-inch corrugations, as shown in Fig. 20, or 1¼-inch corrugations, as shown in Fig. 64, for awnings, are strong, cheap, durable, easily applied and neat.

Our facilities for curving sheets of any gauge or size of corrugation are unsurpassed.

Price, 40 per cent. more than straight corrugated of same gauge for any double curved sheet.



Awning Made of Double Curved Sheets.

WRITE FOR DISCOUNT SHEET.

SELF-CAPPING ROLL STEEL ROOFING—Galvanized or Painted

ROLLS 50 FEET LONG, 26½ INCHES WIDE.

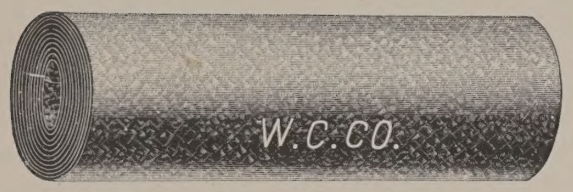


Fig. 21

Galvanized, $7.25 per square. Painted, $4.50 per square.
Galvanized cleats furnished free.
Charge for tools $7.00, which will be refunded when tools are returned in good order with freight prepaid.
If painted graphite, add 15c. per square.
Wire nails, 6c. per square. Dry paint, 4c. per square.

This roofing can be laid on any roof, flat or pitched. We particularly recommend it for flat roofs, as the edges are easily turned. On very flat roofs double seams can be turned with this steel roofing, the same as with tin.

The caps being part of the roofing, riveting and countersinking are unnecessary. There are no separate caps to work loose.

Galvanized cleats will not rust off, thus allowing the roofing to loosen. This roofing should be laid over sheathing or lath placed a few inches apart, and can be applied by any person of ordinary ability.

DIRECTIONS FOR APPLYING SELF-CAPPING ROLL ROOFING

Unroll and cut off roofing the length of the roof, allowing (if ridge cap, Figs. 33 and 39 on page 88, is not used) one inch for comb on one side, and two inches on opposite side, and an inch or more on each side for flashing or turning down at the eaves. Turn the outside edge of the first strip you lay down over the barge board one inch, and nail. Turn the inside edge up one inch, then anchor it by nailing the cleats about fourteen inches apart.

Drive the nails close to the edge of the roofing, as it holds more firmly. Turn up the edge of the next strip 1½ inches, and lay it up close to the one-inch edge of the first strip, turning the excessive half inch down over the one-inch edge, folding the end of the cleat back over the top of the seam, and making the latter tight with tongs. See Fig. 22.

The comb is made by flattening down the standing seam six to eight inches back from the comb, and then turning up the ends—on one side one inch, and on the opposite side two inches. Anchor the one-inch side with cleats and turn the two-inch over the one-inch end. This makes a standing seam along the comb.

If you use ridge roll (Figs. 33 and 39, page 88) it is not necessary to make any allowance in the length of the strips for the seam along the comb. In his case, finish the standing seams to the comb and nail the ridge roll over the latter.

Hips are made in the same way after cutting to the right angle.

If requested, in ordering, we will make special rolls of any length less than one hundred and fifty feet.

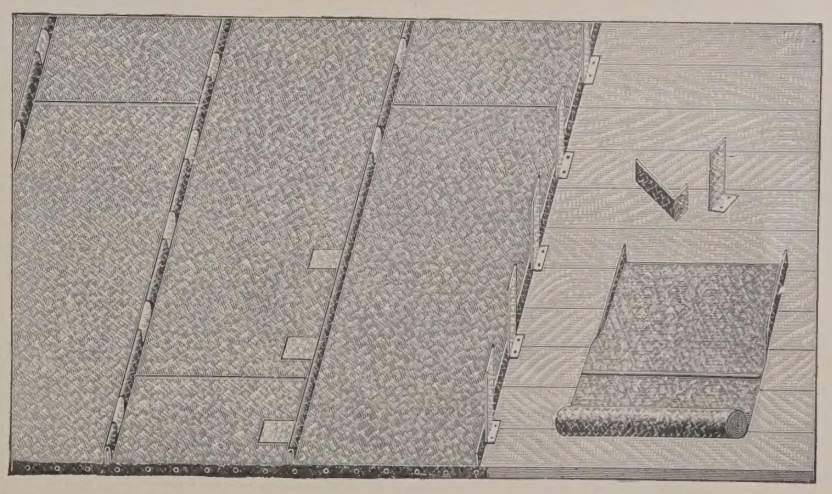


Fig. 22

ROLL AND CAP STEEL ROOFING—Galvanized or Painted. (With Protected Cleats)

ROLLS 50 FEET LONG, 26 INCHES WIDE.

Galvanized, $7.25 per square. Painted, $4.50 per square.
Caps and cleats furnished free.
Charge for tools $4.25, which will be refunded when tools are returned in good order, with the freight prepaid.
If painted graphite, add 15c. per square.

WRITE FOR DISCOUNT SHEET.

DIRECTIONS FOR APPLYING ROLL AND CAP ROOFING. (With Protected Cleats)

FIRST SIDE OF THE ROOF

Commence to unroll roofing at the top of the roof. Measure from the eave to the comb, adding one inch for turning over at the eave, and one inch for tonging back at the comb. With the tongs turn up one inch along each side of a course. Draw a chalk line to get the first course straight, and commence laying at the right hand, if free to do so, for convenience in nailing. If against a frame building begin there, flash or turn up the roofing six inches, and nail securely. If against a brick building, flash or turn up the roofing six inches, and nail at intervals into the cracks between the bricks, then counterflash by cutting some strips of metal, wedging same into the crack of the bricks, and bending them down over the flashing. After the first course is laid to the chalk line, the cleats are nailed along the side every twelve or fifteen inches, or so as to average two cleats to each cap.

Next bend up a new course, place the same against the course first laid, and bend the prongs of the cleats right and left to receive the caps. Beginning with the wide end of the cap at the eave, slip the caps over the cleats as they are spread right and left, the small end of one cap passing into the wide end of the preceding cap three-fourths of an inch, and continue thus to the comb. Having finished putting on a course of caps, close the seams with the squeezing tongs.

As directed, an extra inch of metal is allowed for the comb lock. Go along the comb and mallet over the standing seams, then tong the extra inch back, then cut some cleats from any waste material, hook them into the comb lock of each course and nail them to the sheathing. This done you are ready for the

SECOND SIDE OF THE ROOF

Begin laying the second side at the end of the building where first side was finished. If in proceeding the standing seams come opposite the middle of the course of the first side, it is preferable, and will make it easier to make the comb. For making comb allow 1½ inches extra length to the courses. Notch the upper corners of each course 1 x ¾ inch. Bend the ¾-inch projection into the comb lock of the first side with the fingers, and squeeze them together with the tongs.

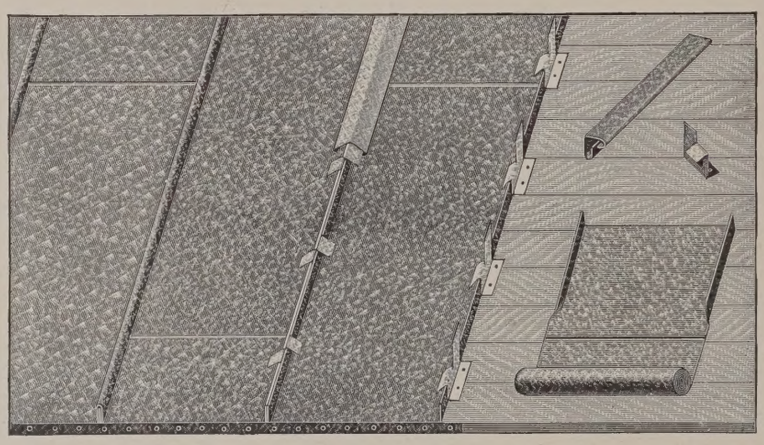


Fig. 68

Iron answers for valleys as well as tin. Shape the metal to the angle of the valley by forming it over a straight edge. Tong back one inch along each side of the valley; place it in position and fasten with cleats.

Into the lock of the valley hook the roofing sheets from above, mallet the joints closely and putty them well with Elastic Roofing Cement.

Tin gutters are preferable, because the contraction caused by cold weather, acting on longer strips of metal, opens the seams, which, being fewer in number, must bear an increased strain.

Keep the back or lock of the gutter higher than the eaves.

ROLL AND CAP STEEL ROOFING—Galvanized or Painted. (With Outside Cleats)

ROLLS 50 FEET LONG, 26 INCHES WIDE

Galvanized, $7.25 per square. Painted, $4.50 per square. Caps and cleats furnished free.

Charge for tools $4.25, which will be refunded when the tools are returned in good order, with the freight prepaid.

If painted graphite, add 15 cents per square. Wire nails, 6 cents per square. Dry paint, 4 cents per square.

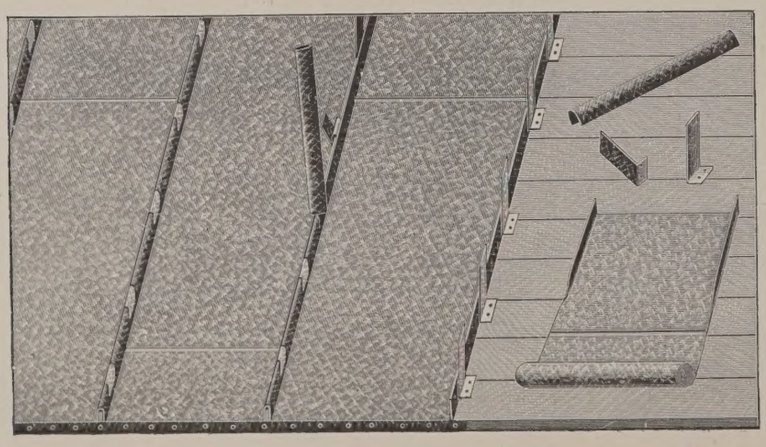


Fig. 69

Directions for applying Roll and Cap Roofing (outside cleats) are the same as for Roll and Cap Roofing with protected cleats, except the cleating and capping, which is clearly illustrated in Fig. 69.

We furnish Roll and Cap Roofing, Fig. 69 with the caps packed with water proof felt, for 15 cents per square extra.

We will also furnish special shaped cleats for any style of Roll Roofing, if customers will submit a sample cleat showing what they want.

All our Roll Roofings are made of the best quality of patent leveled galvanized or box annealed steel, painted on both sides with the best of iron-ore paint, ground in pure linseed oil.

WRITE FOR DISCOUNT SHEET.

PRESSED STANDING SEAM ROOFING—Galvanized or Painted. (With Galvanized Cleats)

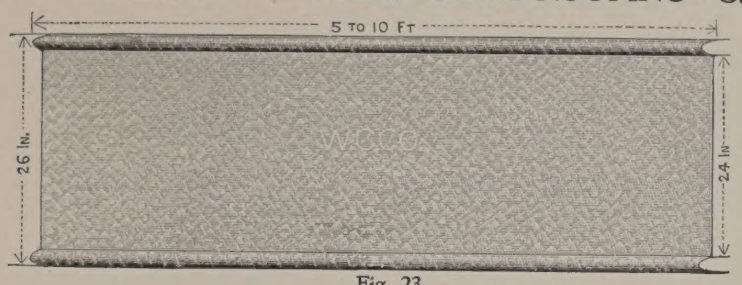


Fig. 23

Stock lengths, 6, 7, 7½, 8, 8½, 9 and 10 feet.

Galvanized, $7.00 per square. Painted, $4.00 per square.

Galvanized side cleats and painted end cleats furnished free.

Charge for tools $3.75, which will be refunded when the tools are returned in good order, with the freight prepaid.

If painted graphite, add 15 cents per square.

Wire nails, 6 cents per square. Dry paint, 4 cents per square.

DIRECTIONS FOR APPLYING PRESSED STANDING SEAM ROOFING

Snip and turn the end locks with the jointer by bending one end of the sheet up, the other down. Commence laying at the right-hand corner and the eave of the building. Flatten the right-hand cap for the first course, and lay the left-hand cap to a chalk line. Let the bottom sheet project over the eave and the end of the building one inch or more, bending the projection down over and nailing to the end and eave of the building; or, if there are fire walls, turn the sheet up four to six inches, nail securely and counterflash. Use two cleats on the ends and one every twelve or fourteen inches on the sides.

Continue laying the sheets until the upper part of the roof is reached. If a comb roof, allow one inch on one side and two inches on the opposite side to form a standing seam along the ridge.

Start the next course with the piece, if any, which was cut from the last sheet laid at the comb, with the flanges of the sheets overlapping the first course; press it down, turn the ends of the cleats over and press the seam together with the tongs.

The comb is made by turning up one side one inch and the other side two inches, first flattening the standing seams back from the comb six or eight inches. Anchor the one-inch side with cleats and turn the two-inch side over the one inch. Press the seam thus formed with the tongs.

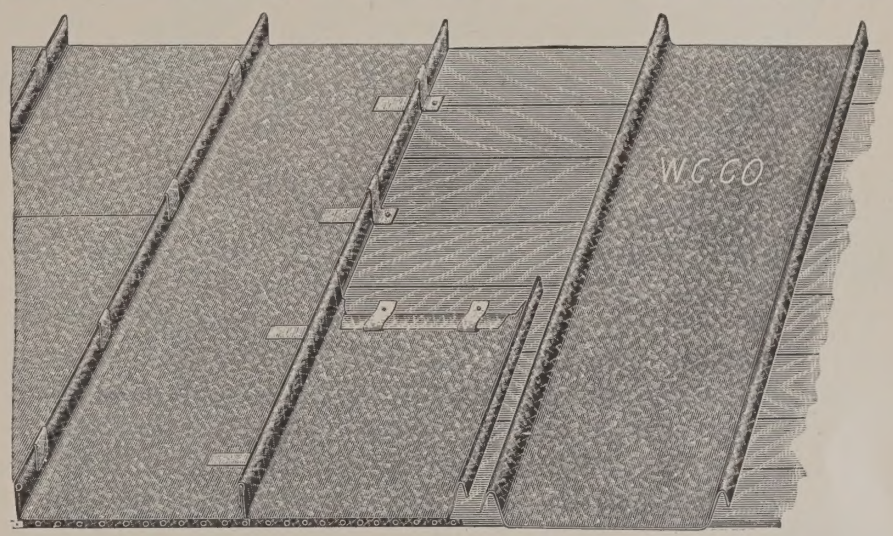


Fig. 24

If you use ridge roll, Figs. 33 or 39 on page 88, it will be unnecessary to make the allowance of three inches of metal from which to form the standing seam along the comb. In this case, finish the seams to the comb, nailing the ridge roll over them. Hips are made in the same way after cutting to the right angle. If ordered, we furnish the seams packed with water-proof felt, charging 15 cents per square for it.

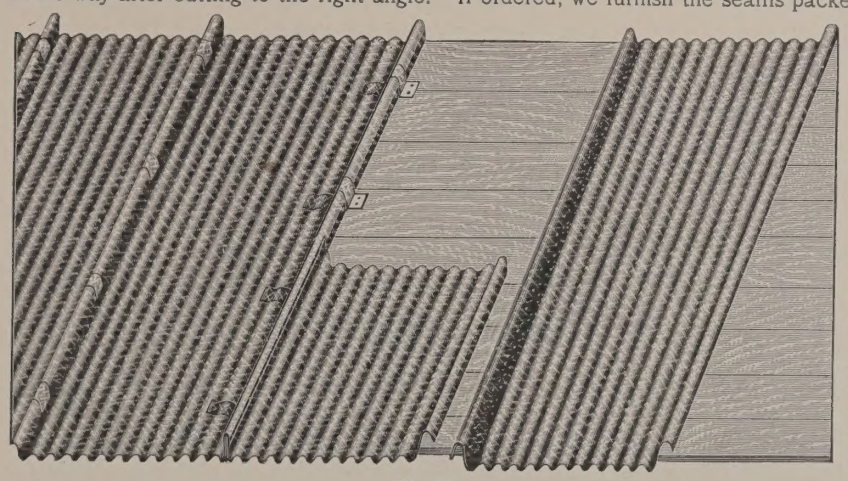


Fig. 70

PRESSED STANDING SEAM CORRUGATED ROOFING

Quality, painting, cleats, measurements and tools, same as for Pressed Standing Seam.

Galvanized, $7.50 per square. Painted, $4.50 per square. If painted graphite, add 15 cents per square.

The method of applying is the same as for Pressed Standing Seam Roofing, except that instead of turning end locks in the sheets, they are overlapped four to six inches, according to the pitch of the roof. The comb is formed by placing a piece of corrugated wood filler (Fig. 40) between the seams on either side of the ridge, and applying the ridge roll, Fig. 33, page 88.

BEADED PRESSED STANDING SEAM ROOFING

The same in every respect as the Pressed Standing Seam Roofing except the beads. The method of application is the same. Galvanized, $7.15 per square. Painted, $4.15 per square. Wire nails, 6 cents per square. Dry paint, 4 cents per square.

The beads stiffen the sheets and prevent them from rattling.

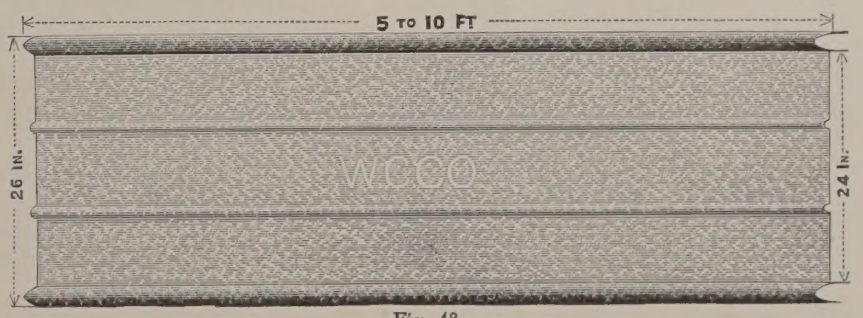


Fig. 48

If this style is wanted specify it clearly, otherwise regular style, Fig. 23, will be furnished. All our Pressed Standing Seam Roofings are made from the best patent leveled galvanized steel, or from box annealed semi-steel, painted on both sides, with the best of iron-ore paint ground in the best boiled linseed oil. Add 25 cents for package on orders of less than eight squares.

V-CRIMPED ROOFING—Galvanized or Painted

Wood strips furnished free.

Stock lengths, 6, 7, 7½, 8, 8½, 9 and 10 feet.

Galvanized, $6.75 per square. Painted, $3.75 per square.

Charge for tools $2.25, which will be refunded when tools are returned in good order, freight prepaid.

If painted graphite, add 15 cents per square.

Wire nails, 6 cents per square.

Dry paint, 4 cents per square,

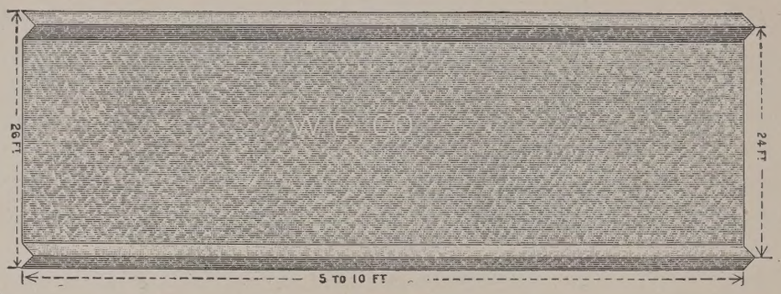


Fig. 25

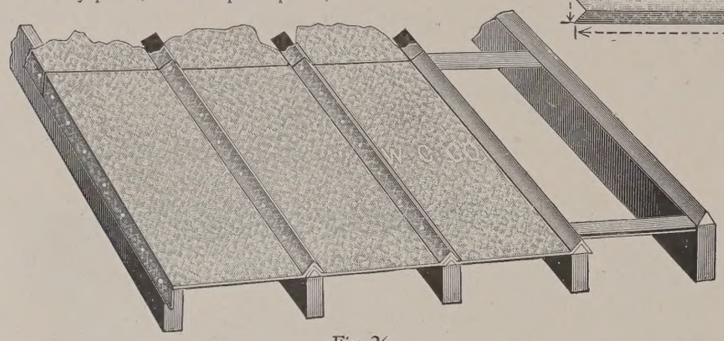


Fig. 26

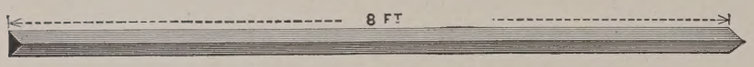


Fig. 28

DIRECTIONS FOR APPLYING V-CRIMPED ROOFING

Snip and turn end locks with the jointer by bending one end of the sheet up and the other down, as in Fig. 27. Lap one crimp over the other and both over the wood strip, Fig. 28. Nail through the overlapping sheets and wood strip into the sheathing or roof support about one inch. This roofing is frequently laid with the ends lapping four to six inches without locking them, as in Fig. 26. No special tools are required to lay it in this manner. If for a ridge roof, order ridge cap, Figs. 33 and 39, page 88.

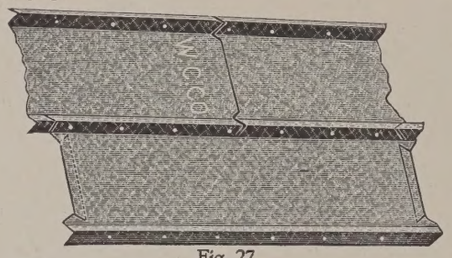


Fig. 27

3 V-CRIMPED ROOFING—Galvanized or Painted

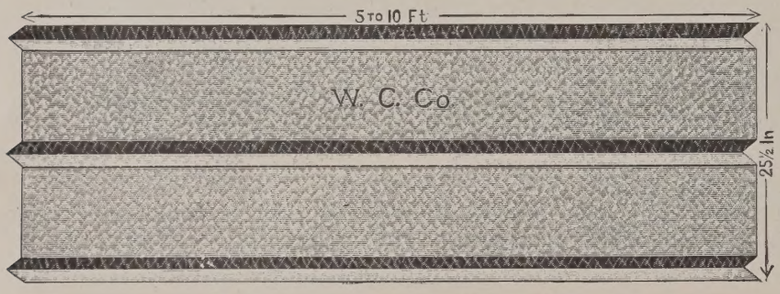


Fig. 49

Wood strips furnished free for outside crimps.

Stock lengths, 6, 7, 7½, 8, 8½, 9 and 10 feet.

Galvanized, $6.90 per square. Painted, $3.90 per square.

Charge for tools $2.25, which will be refunded when tools are returned in good order, with the freight prepaid.

If painted graphite, add 15 cents per square.

The middle crimp stiffens the sheet and prevents rattling. The method of application is the same as for V-Crimp, Fig. 26. If this style is desired it must be specified clearly; otherwise the style shown in Fig. 25 will be shipped.

V-CRIMPED CORRUGATED ROOFING —Galvanized or Painted

Wood strips furnished free.

Stock lengths, 6, 7, 7½, 8, 8½, 9 and 10 feet.

Galvanized, $7.25 per square. Painted, $4.25 per square.

No tools required.

If painted graphite, add 15 cents per square.

Wire nails, 6 cents per square. Dry paint, 4 cents per square.

DIRECTIONS FOR APPLYING

The method of applying is the same as V-Crimp, the ends being lapped four to six inches, according to the pitch of the roof, and project two to three inches at the eaves. The comb is formed by applying corrugated wood filler, Fig. 40, page 88, and then applying the ridge roll, Fig. 33 or 39, page 88.

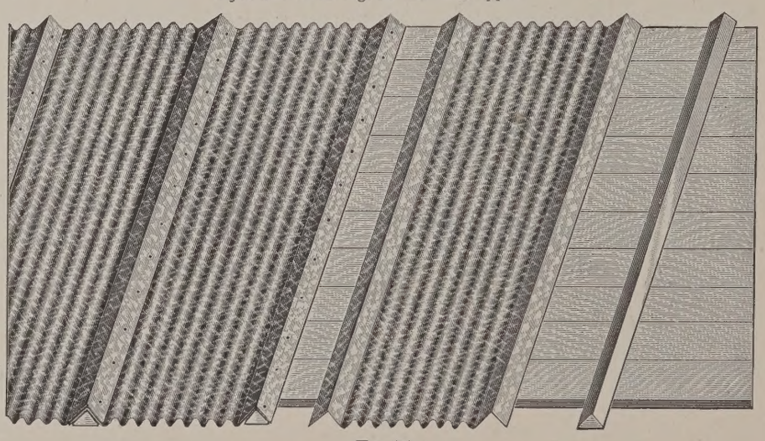


Fig. 71

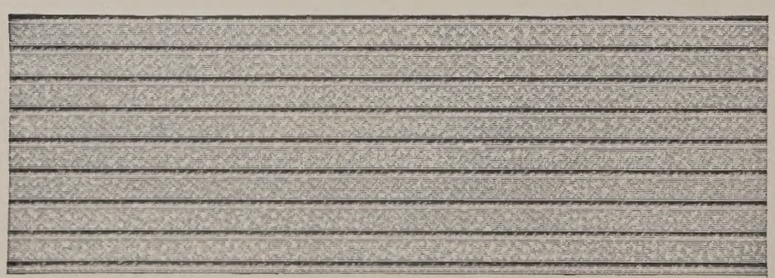


Fig. 29

THREE-SIXTEENTHS INCH CORRUGATED BEADED SHEETS FOR SIDING OR CEILING—Galvanized or Painted

Galvanized, $7.00 per square. Painted, $4.00 per square.

No special tools required.

If painted graphite, add 15 cents per square.

If painted white, add 25 cents per square.

Wire nails, 6 cents per square. Dry paint, 4 cents per square.

It is put up with a side lap of one bead and an end lap of about one inch.

These sheets are stiff and free from buckles. The cross corrugations serve to conceal the end laps, making it very desirable for ceiling rooms which are not used for purposes warranting the use of more expensive material.

WRITE FOR DISCOUNT SHEET.

WEATHER BOARD SIDING—Galvanized or Painted

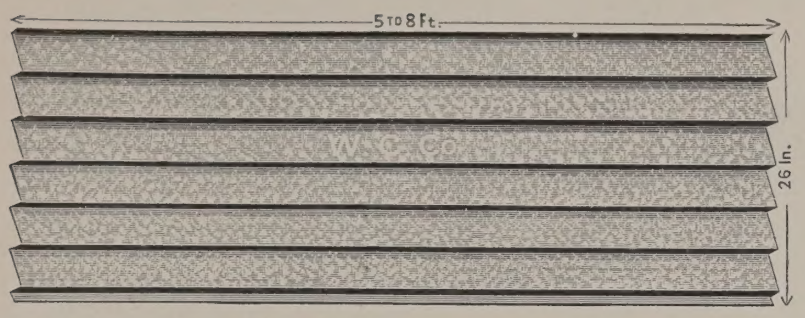


Fig. 30

Galvanized, $7.25 per square. Painted, $4.25 per square.
No special tools required.
If painted graphite, add 15 cents per square.
If painted white, add 25 cents per square.
Wire nails, 6 cents per square.
Dry paint, 4 cents per square.

DIRECTIONS FOR APPLYING WEATHER BOARDING

Lap the sheets one crimp at the sides and about two inches on the ends. Nail along the horizontal laps four to six inches apart, immediately under the projecting crimp, and at the end laps place one nail at the upper edge of each face or board.

The best corner finish is made by the use of the corner board shown in Fig. 42, page 88.

PRESSED BRICK SIDING—Galvanized or Painted

Galvanized, $7.75 per square. Painted, $5.00 per square.

No special tools required.

If painted graphite, add 15 cents per square.

Wire nails, 6 cents per square.

Dry paint, 4 cents per square.

A square consists of $10\frac{6}{10}$ sheets, $26\frac{1}{2}$ inches wide by $51\frac{1}{2}$ inches long.

DIRECTIONS FOR APPLYING

This material should be applied over solid sheathing. Commence at the lower right-hand corner, about eight inches from the corner, and lay from the right to the left on the four sides of the building. If the framework rests on the ground put a wood strip about three inches wide all around the bottom, allowing the first course of metal to rest upon it, which will prevent corrosion from contact with the ground.

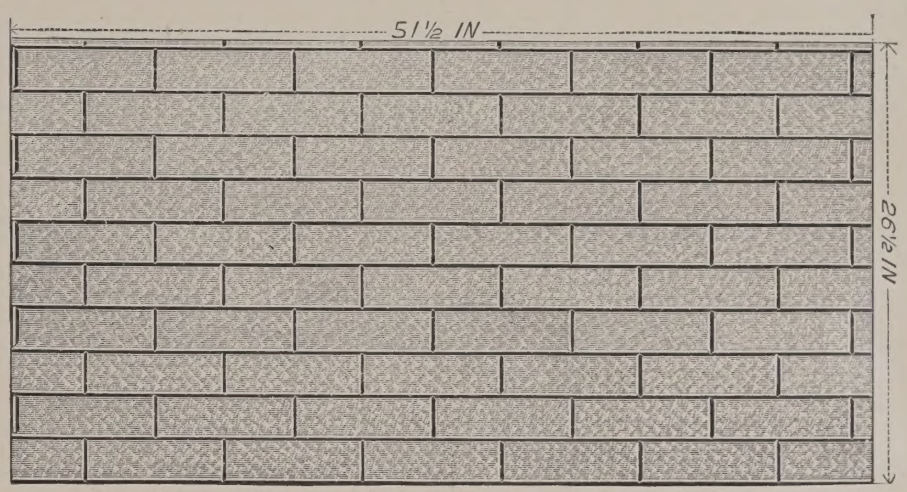


Fig. 50

Size of sheets, $26\frac{1}{2}$ inches by $51\frac{1}{2}$ inches.
Size of each brick, $2\frac{1}{2}$ by $8\frac{1}{4}$ inches.

After the first course is completed start the second course with the end cut from the last sheet of the first course. Nail in every third brick groove, which will prevent the sheets from buckling.

☞ We Galvanize Our Imitation Brick and Stone After They are Formed.

ROCK-FACED BRICK SIDING—Galvanized or Painted

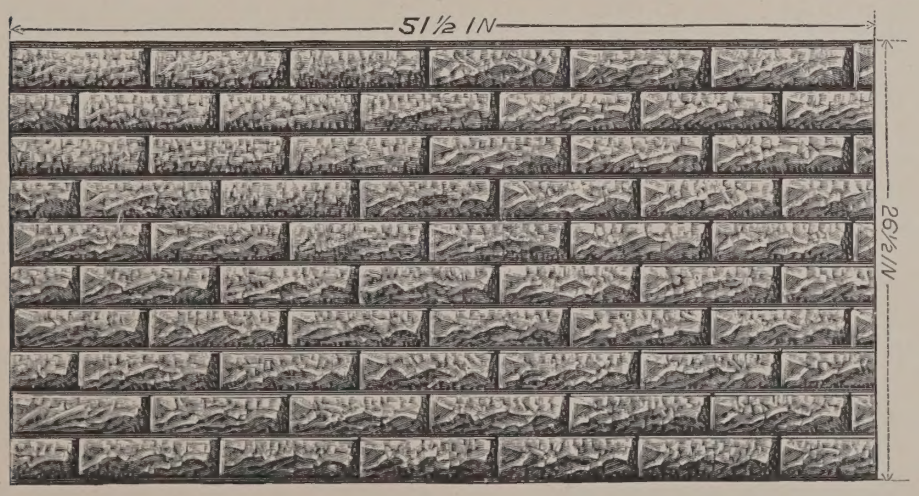


Fig. 65

Size of sheets, $26\frac{1}{2}$ inches by $51\frac{1}{2}$ inches.
Size of each brick, $2\frac{1}{2}$ inches by $8\frac{1}{4}$ inches.

Galvanized, $8.25 per square. Painted. $5.50 per square.

No special tools required.

If painted graphite, add 15 cents per square.

If painted white, add 25 cents per square.

Wire nails, 6 cents per square.

Dry paint, 4 cents per square.

A square consists of $10\frac{6}{10}$ sheets, $26\frac{1}{2}$ inches wide by $51\frac{1}{2}$ inches long.

DIRECTIONS FOR APPLYING

Are the same as for plain brick, as above.

☞ We Galvanize Our Imitation Brick and Stone After They are Formed.

WRITE FOR DISCOUNT SHEET

STONE SIDING—Galvanized or Painted

Galvanized, $8.25 per square. Painted, $5.50 per square.

No special tools required.

If painted graphite, add 15 cents per square.

If painted white, add 25 cents per square.

Wire nails, 6 cents per square. Dry paint, 4 cents per square.

A square consists of 10 $\frac{6}{10}$ sheets 26½ inches wide by 51½ inches long. When ordering, allow four to six square feet per square for laps.

Directions for applying are the same as for brick on the preceding page.

☞ We Galvanize Our Imitation Stone and Brick After They are Formed.

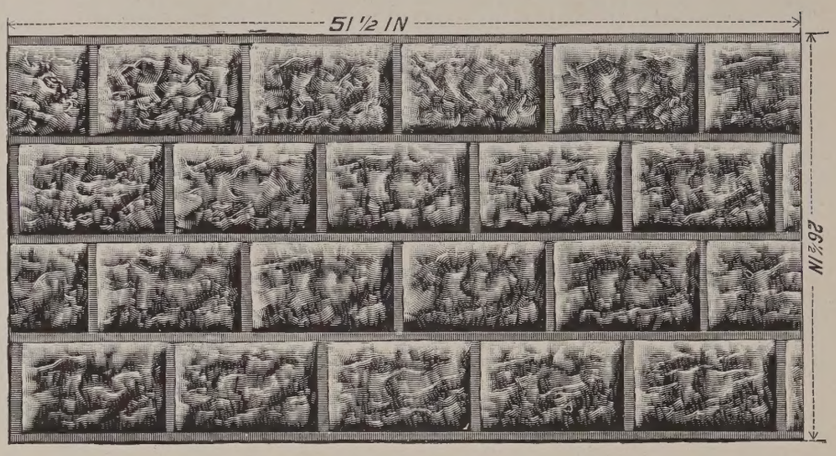


Fig. 66
Size of sheets, 26½ inches by 51½ inches.
Size of each stone, 6 inches by 10 inches.

APPROXIMATE SHIPPING WEIGHTS OF ROOFINGS AND SIDINGS

	Galvanized	Painted
Self-Capping Roll Roofing	86 pounds	72 pounds
Roll and Cap Roofing	90 pounds	76 pounds
Pressed Standing Seam Roofing	85 pounds	71 pounds
Pressed Standing Seam Corrugated Roofing	92 pounds	78 pounds
V-Crimped Roofing without Sticks	83 pounds	69 pounds
V-Crimped Corrugated Roofing	92 pounds	78 pounds
$\frac{3}{16}$-Inch Corrugated Beaded Ceiling or Siding	83 pounds	69 pounds
Metal Weather Boarding	86 pounds	72 pounds
Steel Pressed Brick Siding	84 pounds	70 pounds
Steel Rock-Faced Brick Siding	84 pounds	70 pounds
Steel Stone Siding	84 pounds	70 pounds

Add 25c. for package to the prices on orders of less than eight squares.

Boxing adds 5 to 7 and banding 1 to 2 pounds per square to the above table of weights.

PRICE LIST OF ROOFING TOOLS

For Self-Capping Roll Roofing.

1 Pair Squeezing Tongs	No. A	$1.50
1 Pair Seaming Tongs	No. B	1.50
1 Pair 1-inch Edging Tongs	No. C	1.25
1 Pair 1½-inch Edging Tongs	No. D	1.25
1 Pair Tinner's Snips	No. F	1.50
Complete Set		$7.00

For Roll and Cap Roofing.

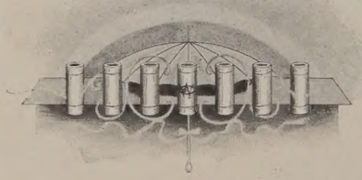
1 Pair Squeezing Tongs	No. A	$1.50
1 Pair 1-inch Edging Tongs	No. C	1.25
1 Pair Tinner's Snips	No. F	1.50
Complete Set		$4.25

For Pressed Standing Seam Roofing.

1 Pair Squeezing Tongs	No. A	$1.50
1 Jointer	No. E	.50
1 Pair Tinner's Snips	No. F	1.50
1 Mallet	No. G	.25
Complete Set		$3.75

For V-Crimped Roofing.

1 Jointer	No. E	$0.50
1 Pair Tinner's Snips	No. F	1.50
1 Mallet	No. G	.25
Complete Set		$2.25



BLACK SHEETS

BRAND—WHEELING

BLUE ANNEALED

Nos. 10 to 14 inclusive ..... cents per pound
Nos. 15 to 17 inclusive ..... cents per pound
Nos. 18 to 21 inclusive ..... cents per pound

BOX ANNEALED

COMMON (STOVE PIPE), ETC.

Nos. 22 to 24 inclusive ..... cents per pound
Nos. 25 and 26 ..... cents per pound
No. 27 ..... cents per pound
No. 28 ..... cents per pound
No. 29 ..... cents per pound
No. 30 ..... cents per pound

STEEL, .. cents per 100 pounds advance over common.
"R. G." Double Refined, .. cents per 100 pounds advance over common.
Cold Rolled or Smooth Finished Steel, .. cents per 100 pounds extra.
Pattern Sheets quoted on application.

GAUGE AND WEIGHT OF BLACK SHEETS

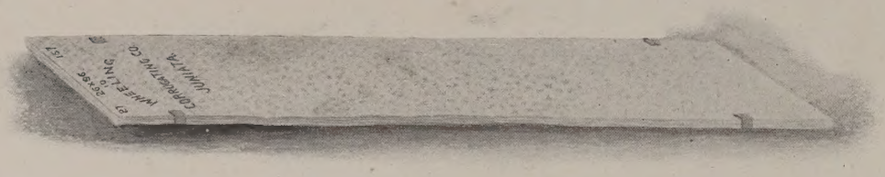
United States Standard, Approved by Congress March 3rd. 1893.

NUMBER OF GAUGE	Weight per Square Foot in Pounds	Weight per Square Foot in Ounces	Decimal Parts of an Inch	Fractions of an Inch
10	5.625	90	.140625	9–64
11	5.	80	.125	1–8
12	4.375	70	109375	7–64
13	3.75	60	.09375	3–32
14	3 125	50	.078125	5–64
15	2.8125	45	.0703125	9–128
16	2 5	40	.0625	1–16
17	2.25	36	.05625	9–160
18	2.	32	.05	1–20
19	1.75	28	.04375	7–160
20	1.50	24	0375	3–80
21	1.375	22	.034375	11–320
22	1.25	20	.03125	1–32
23	1.125	18	.028125	9–320
24	1.	16	.025	1–40
25	.875	14	.021875	7–320
26	.75	12	.01875	3–160
27	.6875	11	.017875	11–640
28	.625	10	.015625	1–64
29	.5625	9	0140625	9–640
30	.5	8	.0125	1–80

EXTRAS ON BLACK SHEETS

Pickling, Cold Rolling and Patent Leveling, ¼ cent each per pound; Nos. 16 and 18, wider than 48 inches; No. 22 and lighter, wider than 32 inches—and not exceeding 38 inches—or narrower than 24 inches, 1–10 cent per pound.

JUNIATA GALVANIZED SHEETS



BRAND—WHEELING.

We make strictly first-class high-grade sheets of guaranteed quality.

Our ready crimped galvanized sheets dispenses with the unsightly buckles so common in outside cornices, and have become very popular with cornice makers.

TABLE OF LIST AND NET PRICES AND WEIGHTS

Fractional Parts of a Cent not considered.

Number of Gauge	10	12	14	16	18	19	20	21	22	23	24	25	26	27	28	29	30
List Price per lb	**12c.**	**12c.**	**12c.**	**12c.**	**13c.**	**13c.**	**13c.**	**13c.**	**14c.**	**14c.**	**14c.**	**15c.**	**15c.**	**16c.**	**17c.**	**19c.**	**21c.**
Ounces per sq. ft	92½	72½	52½	42½	34½	30½	2o½	24½	22½	20½	18½	16½	14½	13½	12½	11½	10½
Pounds per sq. ft	5.78	4.53	3.281	2.656	2.156	1.906	1.656	1.53	1.406	1.28	1.156	1.03	.906	.8437	.7812	.7187	.6562
List Price per sq. ft	**69.36**	**54.36**	**39.37**	**31.87**	**28.02**	**24.77**	**21.52**	**19.89**	**19.68**	**17.92**	**16.18**	**15.45**	**13.59**	**13.49**	**13.28**	**13.65**	**13.78**
DISCOUNT	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
70%	Per lb	3.60	3.60	3.60	3.60	3.90	3.90	3.90	3.90	4.20	4.20	4.20	4.50	4.50	4.80	5.10	5.70	6.30
	" sq. ft	20.81	16.31	11.81	9.56	8.41	7.43	6.46	5.96	5.90	5.37	4.85	4.63	4.07	4.05	3.98	4.09	4.13
70 and 5%	" lb	3.42	3.42	3.42	3.42	3.70	3.70	3.70	3.70	3.99	3.99	3.99	4.27	4.27	4.56	4.84	5.41	5.98
	" sq. ft	19.76	15.49	11.22	9.08	7.97	7.05	6.12	5.66	5.61	5.10	4.61	4.40	3.87	3.84	3.78	3.89	3.92
70 and 10 %	" lb	3.24	3.24	3.24	3.24	3.51	3.51	3.51	3.51	3.78	3.78	3.78	4.05	4.05	4.32	4.59	5.13	5.67
	" sq. ft	18.72	14.67	10.63	8.60	7.56	6.69	5.81	5.37	5.31	4.84	4.37	4.17	3.67	3.64	3.58	3.68	3.72
72½%	" lb	3.30	3.30	3.30	3.30	3.57	3.57	3.57	3.57	3.85	3.85	3.85	4.12	4.12	4.40	4.67	5.22	5.77
	" sq. ft	19.07	14.95	10.83	8.76	7.69	6.80	5.91	5.46	5.41	4.93	4.45	4.24	3.73	3.71	3.65	3.75	3.79
72½ and 5%	" lb	3.13	3.13	3.13	3.13	3.39	3.39	3.39	3.39	3.65	3.65	3.65	3.91	3.91	4.18	4.44	4.96	5.48
	" sq. ft	18.09	14.18	10.29	8.31	7.30	6.46	5.61	5.18	5.13	4.67	4.23	4.02	3.54	3.52	3.47	3.56	3.59
72½ and 10%	" lb	2.97	2.97	2.97	2.97	3.21	3.21	3.21	3.21	3.46	3.46	3.46	3.71	3.71	3.96	4.20	4.70	5.19
	" sq. ft	17.16	13.45	9.74	7.89	6.92	6.12	5.31	4.91	4.86	4.43	4.	3.82	3.36	3.34	3.28	3.37	3.40
75%	" lb	3.	3.	3.	3.	3.25	3.25	3.25	3.25	3.50	3.50	3.50	3.75	3.75	4.	4.25	4.75	5.25
	" sq. ft	17.34	13.59	9.84	7.97	7.	6.19	5.38	4.97	4.92	4.48	4.04	3.86	3.39	3.37	3.32	3.41	3.44
75 and 5%	" lb	2.85	2.85	2.85	2.85	3.08	3.08	3.08	3.08	3.32	3.32	3.32	3.56	3.56	3.80	4.03	4.51	4.98
	" sq. ft	16.47	12.91	9.35	7.57	6.64	5.87	5.10	4.71	4.66	4.25	3.84	3.66	3.22	3.21	3.15	3.24	3.26
75 and 10%	" lb	2.70	2.70	2.70	2.70	2.92	2.92	2.92	2.92	3.15	3.15	3.15	3.37	3.37	3.60	3.82	4.27	4.72
	" sq. ft	15.60	12.23	8.86	7.17	6.29	5.56	4.83	4.46	4.43	4.03	3.64	3.47	3.05	3.03	2.98	3.07	3.09
77½%	" lb	2.70	2.70	2.70	2.70	2.92	2.92	2.92	2.92	3.15	3.15	3.15	3.37	3.37	3.60	3.82	4.27	4.72
	" sq. ft	15.60	12.23	8.86	7.17	6.29	5.56	4.83	4.46	4.43	4.03	3.64	3.47	3.05	3.03	2.98	3.07	3.09
77½ and 5%	" lb	2.56	2.56	2.56	2.56	2.77	2.77	2.77	2.77	2.99	2.99	2.99	3.20	3.20	3.42	3.63	4.06	4.48
	" sq. ft	14.79	11.59	8.43	6.80	5.97	5.28	4.58	4.24	4.20	3.82	3.45	3.29	2.90	2.88	2.83	2.91	2.94
77½ and 10%	" lb	2.43	2.43	2.43	2.43	2.63	2.63	2.63	2.63	2.83	2.83	2.83	3.03	3.03	3.24	3.44	3.84	4.25
	" sq. ft	14.04	11.	7.97	6.45	5.67	5.01	4.35	4.02	3.98	3.62	3.27	3.12	2.74	2.73	2.68	2.76	2.79
80%	" lb	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.60	2.80	2.80	2.80	3.	3.	3.20	3.40	3.80	4.20
	" sq. ft	13.87	10.87	7.87	6.37	5.60	4.95	4.30	3.98	3.93	3.58	3.23	3.09	2.70	2.70	2.65	2.73	2.75
80 and 5%	" lb	2.28	2.28	2.28	2.28	2.47	2.47	2.47	2.47	2.66	2.66	2.66	2.85	2.85	3.04	3.23	3.61	3.99
	" sq. ft	13.18	10.36	7.48	6.05	5.32	4.70	4.09	3.78	3.74	3.40	3.07	2.93	2.58	2.56	2.52	2.59	2.62

STANDARD SIZES

Gauges Nos. 14 to 28, inclusive, 24, 26, 28 and 30 inches wide, by 72, 84 and 96 inches long.

ADDITIONAL TO LIST ON EXTRA SIZES

EXTRA WIDTHS.

No. 19 and Lighter—

Less than 24 inches wide ..... per pound, 1 cent

Over 32 to 36 inches, inclusive ..... per pound, 1 cent

Over 36 to 40 inches, inclusive ..... per pound, 2 cents

Over 40 to 44 inches, inclusive ..... per pound, 3 cents

Over 44 to 48 inches, inclusive ..... per pound, 5 cents

Nos. 16, 17 and 18, over 36 inches wide, one-half above extras.

EXTRA LENGTHS.

Longer than 120 inches ..... per pound, 1 cent

One-half cent per pound additional for Pattern Sheets, i. e., for all iron of which every sheet in each bundle is required to be of exact length specified, or where iron is ordered in sheets, all of which are required to be of the same length. But iron of any length, in bundles, in which one or two sheets of the same number and width, but shorter than the full length ordered, are allowed to be put up in each bundle, will be considered ordinary length, or merchant iron, and will not be subject to any extra charge for length.

WEIGHTS OF GALVANIZED IRON OF VARIOUS GAUGES

PER SHEET AND PER BUNDLE IN POUNDS

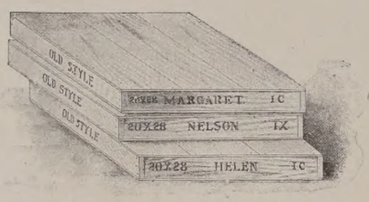
GAUGES	10			11			12			13			14			15			16		
Size of Sheet	Weight Per Sheet	Weight Per Bundle	Number of Sheets	Weight Per Sheet	Weight Per Bundle	Number of Sheets	Weight Per Sheet	Weight Per Bundle	Number of Sheets	Weight Per Sheet	Weight Per Bundle	Number of Sheets	Weight Per Sheet	Weight Per Bundle	Number of Sheets	Weight Per Sheet	Weight Per Bundle	Number of Sheets	Weight Per Sheet	Weight Per Bundle	Number of Sheets
24 x 72	69.4	138	2	61.8	185	3	54.37	163	3	46.87	140	3	39.37	157	4	35.6	142	4	31.87	159	5
26 x 72	75.1	150	2	67.	134	2	58.9	176	3	50.78	152	3	42.65	170	4	38.59	154	4	34.5	138	4
28 x 72	80.8	161	2	72.1	144	2	63.4	126	2	54.68	164	3	45.9	137	3	41.5	166	4	37.18	148	4
30 x 72	86.8	173	2	77.3	154	2	67.9	135	2	58.59	175	3	49.2	147	3	44.5	133	3	39.84	159	4
36 x 72	104.1	208	2	92.	184	2	81.56	163	2	70.3	140	2	59.	179	3	53.4	160	3	47.8	143	3
24 x 84	80.9	161	2	72.	144	2	63.4	126	2	54.68	164	3	45.9	137	3	41.5	166	4	37.18	148	4
26 x 84	87.6	175	2	78.1	156	2	68.69	137	2	59.2	177	3	49.74	149	3	45.	135	3	40.2	160	4
28 x 84	94.2	188	2	84.2	168	2	73.99	148	2	63.78	191	3	53.58	160	3	48.47	145	3	43.37	173	4
30 x 84	101.	202	2	90.2	180	2	79.29	158	2	68.3	136	2	57.4	172	3	51.95	155	3	46.48	139	3
36 x 84	121.4	121	1	108.3	216	2	95.1	190	2	82.	164	2	68.9	137	2	62.34	124	2	55.78	167	3
24 x 96	92.5	185	2	82.5	165	2	72.5	145	2	62.5	125	2	52.5	157	3	47.5	142	3	42.5	170	4
26 x 96	100.1	200	2	89.4	178	2	78.5	157	2	67.69	135	2	56.8	170	3	51.44	154	3	46.	138	3
28 x 96	107.88	215	2	96.2	192	2	84.55	169	2	72.89	145	2	61.2	183	3	55.39	166	3	49.56	148	3
30 x 96	115.6	231	2	103.1	206	2	90.6	181	2	78.2	156	2	65.6	131	2	59.37	178	3	53.2	159	3
36 x 96	138.1	138	1	123.7	123	1	108.7	108	1	93.75	187	2	78.75	157	2	71.5	143	2	63.75	127	2
24 x 120	115.62	115	1	103.12	206	2	90.62	181	2	78.12	156	2	65.62	131	2	59.37	178	3	53.12	159	3
26 x 120	125.25	125	1	111.72	111	1	98.17	196	2	84.63	169	2	71.09	142	2	64.32	128	2	57.55	172	3
28 x 120	134.88	134	1	120.31	120	1	105.72	211	2	91.14	182	2	76.56	153	2	69.27	138	2	61.98	186	3
30 x 120	144.53	144	1	128.9	128	1	113.27	113	1	97.65	195	2	82.	164	2	74.22	148	2	66.40	132	2
36 x 120	173.44	173	1	154.68	154	1	135.93	135	1	117.18	117	1	98.43	196	2	89.06	178	2	79.69	159	2

GAUGES	17			18			19			20			21			22			23		
24 x 72	28.87	144	5	25.87	155	6	22.87	160	7	19.87	158	8	18.37	146	8	16.87	151	9	15.37	153	10
26 x 72	31.28	156	5	28.	140	5	24.75	148	6	21.53	150	7	19.9	159	8	18.28	146	8	16.65	149	9
28 x 72	33.68	168	5	30.18	150	5	26.68	160	6	23.18	162	7	21.43	150	7	19.68	157	8	17.93	143	8
30 x 72	36.	144	4	32.34	161	5	28.59	142	5	24.84	149	6	22.96	160	7	21.	147	7	19.2	153	8
36 x 72	43.3	173	4	38.8	155	4	34.3	137	4	29.8	149	5	27.56	165	6	25.3	151	6	23.	161	7
24 x 84	33.68	168	5	30.18	150	5	26.68	160	6	23.18	162	7	21.43	150	7	19.68	157	8	17.93	143	8
26 x 84	36.4	145	4	32.68	163	5	28.89	144	5	25.1	150	6	23.2	162	7	21.3	149	7	19.42	155	8
28 x 84	39.25	157	4	35.2	140	4	31.12	155	5	27.	135	5	25.	150	6	22.96	160	7	20.92	146	7
30 x 84	42.1	168	4	37.7	150	4	33.35	166	5	28.77	144	5	26.79	160	6	24.6	148	6	22.42	156	7
36 x 84	50.5	151	3	45.28	135	3	40.	160	4	34.78	139	4	32.15	160	5	29.53	147	5	26.9	161	6
24 x 96	38.5	154	4	34.5	138	4	30.5	152	5	26.5	159	6	24.5	147	6	22.5	157	7	20.5	143	7
26 x 96	41.7	166	4	37.36	149	4	33.	165	5	28.7	143	5	26.53	159	6	24.37	146	6	22.2	155	7
28 x 96	44.9	179	4	40.23	160	4	35.57	142	4	30.9	154	5	28.57	142	5	26.24	157	6	23.9	143	6
30 x 96	48.1	144	3	43.12	172	4	38.12	152	4	33.12	165	5	30.6	153	5	28.12	140	5	25.62	153	6
36 x 96	57.75	173	3	51.75	155	3	45.75	137	3	39.75	159	4	36.75	157	4	33.75	168	5	30.75	153	5
24 x 120	48.12	144	3	43.12	129	3	38.12	152	4	33.12	165	5	30.62	153	5	28.12	140	5	25.62	153	6
26 x 120	52.13	156	3	46.72	140	3	41.30	165	4	35.88	143	4	33.17	165	5	30.47	152	5	27.76	166	6
28 x 120	56.14	168	3	50.31	150	3	44.48	133	3	38.64	154	4	35.73	142	4	32.81	164	5	29.89	149	5
30 x 120	60.15	180	3	53.90	161	3	47.65	142	3	41.40	165	4	38.28	153	4	35.15	140	4	32.03	160	5
36 x 120	72.19	144	2	64.69	129	2	57.19	171	3	49.68	149	3	45.93	137	3	42.18	168	4	38.43	153	4

GAUGES	24			25			26			27			28			30			Square Feet Per Sheet
24 x 72	13.87	152	11	12.37	148	12	10.87	152	14	10.12	151	15	9.37	149	16	7.87	150	19	12.
26 x 72	15.03	150	10	13.4	147	11	11.78	153	13	10.96	153	14	10.15	152	15	8.53	145	17	13.
28 x 72	16.18	145	9	14.43	158	11	12.68	152	12	11.81	153	13	10.93	153	14	9.18	146	16	14.
30 x 72	17.34	156	9	15.46	154	10	13.59	149	11	12.65	151	12	11.71	152	13	9.84	147	15	15.
36 x 72	20.8	145	7	18.56	148	8	16.3	146	9	15.18	151	10	14.	154	11	11.81	153	13	18.
24 x 84	16.18	145	9	14.43	158	11	12.68	152	12	11.81	153	13	10.93	153	14	9.18	146	16	14.
26 x 84	17.52	140	8	15.63	156	10	13.73	151	11	12.78	153	12	11.84	153	13	9.93	148	15	15.16
28 x 84	18.88	151	8	16.84	151	9	14.79	147	10	13.77	151	11	12.75	153	12	10.71	149	14	16.33
30 x 84	20.23	141	7	18.	144	8	15.85	158	10	14.76	147	10	13.67	150	11	11.48	149	13	17.5
36 x 84	24.28	145	6	21.65	151	7	19.30	154	8	17.7	159	9	16.4	147	9	13.78	151	11	21.
24 x 96	18.5	148	8	16.5	148	9	14.5	145	10	13.5	148	11	12.5	150	12	10.5	157	15	16.
26 x 96	20.	160	8	17.87	142	8	15.7	157	10	14.62	146	10	13.53	148	11	11.37	158	14	17.33
28 x 96	21.57	150	7	19.24	153	8	16.9	152	9	15.74	157	10	14.57	145	10	12.24	146	12	18.66
30 x 96	23.12	161	7	20.62	144	7	18.12	144	8	16.87	151	9	15.62	156	10	13.12	144	11	20.
36 x 96	27.75	166	6	24.75	148	6	21.75	152	7	20.25	162	8	18.75	150	8	15.75	157	10	24.
24 x 120	23.12	161	7	20.62	144	7	18.12	145	8	16.87	151	9	15.62	156	10	13.12	157	12	20.
26 x 120	25.05	150	6	22.34	156	7	19.63	157	8	18.28	146	8	16.92	152	9	14.21	156	11	21.66
28 x 120	26.98	161	6	24.06	144	6	21.14	148	7	19.68	157	8	18.22	145	8	15.31	153	10	23.33
30 x 120	28.90	144	5	25.78	154	6	22.65	158	7	21.09	147	7	19.53	156	8	16.4	147	9	25.
36 x 120	34.68	173	5	30.93	154	5	27.18	163	6	25.31	151	6	23.43	164	7	19.68	157	8	30.

NO ALLOWANCE FOR BANDS

OLD-STYLE ROOFING PLATES



We invite architects, builders and dealers who are desirous of using and selling strictly first-class high-grade terne plates, to make a critical inspection of our brands MARGARET, NELSON and HELEN.

These are made from the best of carefully assorted material in a workmanlike manner, and guaranteed equal to any high-grade plate of the same weight.

Architects and users may rely on these brands being kept up to their present high standard of excellence, and not deteriorating as so many formerly first-class brands have done.

MARGARET

Old Style, old process or old method, palm-oil process, hand redipped and resquared, stamped and guaranteed roofing plates.
Guaranteed equal to any old-style plate, and sold only under our own brand.
Grade: Gilbertson's.
Net weights: 20 x 28 IC, 240 pounds; 20 x 28 IX, 290 pounds per box.

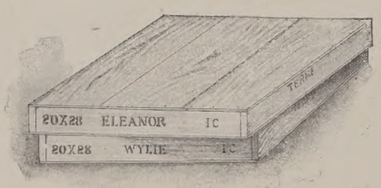
NELSON

Old Style, old process or old method, palm-oil process, hand redipped and resquared, stamped and guaranteed roofing plates.
Guaranteed equal to any plate of the same weight, and sold only under our own brand.
Grade: M. F.
Net weights: 20 x 28 IC, 225 pounds; 20 x 28 IX, 280 pounds per box.

HELEN

Old Style, old process or old method, palm-oil process, hand redipped and resquared, stamped and guaranteed roofing plates.
Guaranteed equal to any plate of the same weight, and sold only under our own brand.
Made in one weight only, IC, 20 x 28, 216 pounds per box.

ROOFING PLATES, ASSORTED PRIMES



We manufacture two grades of machine-made roofing plates, Eleanor and Wylie, and invite comparison with plates of the same class of other makes. They are made from good material and carefully assorted before being packed.

ELEANOR

Machine made, full weight, evenly coated and squared roofing plates.
Net weights: 20 x 28 IC, 216 pounds; IX, 272 pounds per box.
This brand will be resquared, branded and stamped, to suit customers.

WYLIE

Machine made, full and evenly coated and squared roofing plates.
Made in one weight only; 200 pounds, per box of 20 x 28.
This brand will be resquared, branded and stamped, to suit customers.

ROOFING PLATES—WASTERS

BOYD

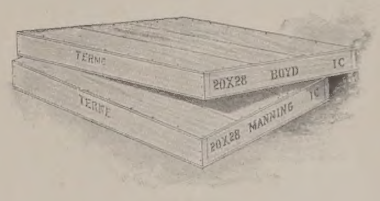
Machine made, full weight and squared roofing plates. Same weight as Eleanor.

These are Eleanor wasters and, as we assort our plates with the utmost care, they are much better than the usual run of wasters.

MANNING

Machine made, full weight and squared roofing plates. Same weight as Wylie.

These plates are assorted from Wylie plates and, as we use every precaution in assorting, they are unusually good wasters. Wasters are not made to order.



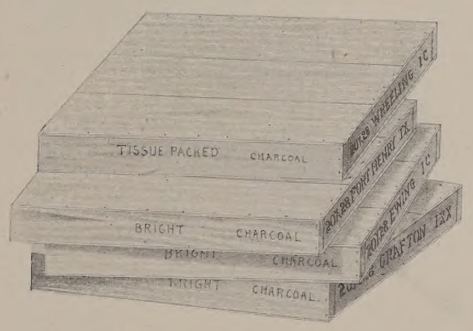
CHARCOAL BRIGHT PLATES

WHEELING (Tissue Packed)

Machine made, full weight, evenly coated plates of extra good quality and finish, made in all standard weights. Packed in tissue paper. Boxes branded to suit customers.

FORT HENRY

Machine made, full weight, evenly coated plates of very good quality and finish, made in all standard weights. Boxes branded to suit customers.



EWING

Machine made, full and evenly coated plates of good quality and finish. Made in one weight only. 200 pounds per box of 20 x 28. Boxes branded to suit customers.

GRAFTON

Assorted wasters from Fort Henry and Ewing brands. As we discriminate very closely in assorting, they are unusually good wasters.

COKE PLATES

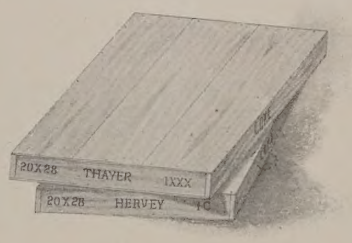
THAYER

Machine made, evenly coated plates of very good quality and finish, made in all weights, and the boxes branded to suit customers.

HERVEY

Waster plates assorted from Thayer brand.

These, and all our wasters, are assorted very carefully, and will be found to approach closely to the quality of the plates from which they are assorted.



HEATER PIPE TIN

WALLACE

We carry IC and IX full weight in stock of the following sizes:

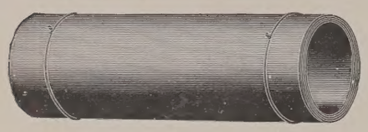
20 x 23 inch for 7 inch Heater Pipe	20 x 32½ inch for 10 inch Heater Pipe
20 x 26 inch for 8 inch Heater Pipe	20 x 36 inch for 11 inch Heater Pipe
20 x 29½ inch for 9 inch Heater Pipe	20 x 39 inch for 12 inch Heater Pipe

112 sheets in a box. One sheet to a joint. Economy in material and labor.

All our tin and terne plates are packed in hardwood boxes.

CONTINUOUS TIN ROOFING IN ROLLS—Applied with Double Seamers

NOTICE—In comparing the prices of our Tin Roll Roofing with those of other manufacturers, observe whether their price is on rolls "containing one hundred square feet" or rolls covering an area of one hundred square feet when applied.



Our rolls contain one hundred and twenty square feet of tin, and will cover an area of one hundred square feet when applied, and the following prices are for that quantity of tin.

A square contains 31 sheets 20 inches wide by 28 inches long, locked together and soldered perfectly straight, with one coat of red paint on under side.

☞ Rolls containing 100 square feet made to order at a corresponding reduction in price.

LIST PRICE

Margaret IC	$7.00 per square	Margaret IX	$7.60 per square
Nelson IC	6.00 per square	Nelson IX	6.60 per square
Eleanor IC	5.50 per square	Eleanor IX	6.10 per square
Wylie IC	5.00 per square		

A net allowance of 3c. per square for nails and 5c. per square for cleats is made if they are not wanted.

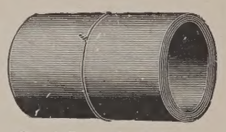
A net allowance of 10c. per square is made if unpainted.

Tools for applying this material are not carried in stock or loaned. We will buy them for customers when ordered.

TIN VALLEYS AND GUTTERS

LIST PRICE PER LINEAL FOOT

Sizes	10 Inches Wide	14 Inches Wide	20 Inches Wide	28 Inches Wide
Margaret IC	3½ cents	5 cents	7 cents	10 cents
Nelson IC	3 cents	4½ cents	6 cents	9 cents
Eleanor IC	2¾ cents	4 cents	5½ cents	8 cents
Wylie IC	2½ cents	3½ cents	5 cents	7 cents
Margaret IX	4¼ cents	6 cents	8½ cents	12 cents
Nelson IX	3¾ cents	5½ cents	7½ cents	11 cents
Eleanor IX	3½ cents	5 cents	7 cents	10 cents



Stock Lengths 50 Feet.

Price list of galvanized valleys on page 87.

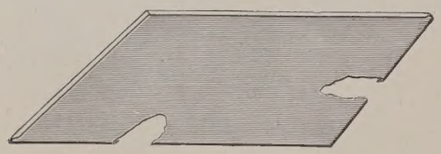
Valleys have locks soldered on upper side and are painted red on both sides.

Gutters have locks soldered on both sides and are painted red on the lower side.

FLAT SEAM TIN ROOFING

This material is made for use on flat roofs with soldered seams. A square consists of 28 sheets of 20 x 28 inch tin, squared, notched, edged and painted red on under side.

About 3½ pounds of solder per square is required for applying this material. See solder list, page 89.



LIST PRICES

Margaret IC	$6.50 per square	Margaret IX	$7.10 per square
Nelson IC	5.50 per square	Nelson IX	6.10 per square
Eleanor IC	5.00 per square	Eleanor IX	5.60 per square
Wylie IC	4.50 per square		

A net allowance of 3 cents per square for nails and 5 cents per square for cleats is made if they are not wanted.

A net allowance of 20 cents per square is made if unpainted.

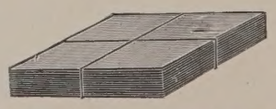
AVERY LIBRARY
COLUMBIA UNIVERSITY

TIN FLASHINGS

Cut to size and painted red on both sides.

LIST PRICE PER ONE HUNDRED PIECES

Sizes	4 x 5 Inches	5 x 7 Inches	7 x 10 Inches
Margaret IC	70 cents	$1.10	$2.00
Nelson IC	65 cents	1.00	1.80
Eleanor IC	60 cents	.90	1.65
Wylie IC	55 cents	.80	1.50



One Hundred Pieces in Each Bundle.

COST OF FLAT SEAM TIN ROOFING

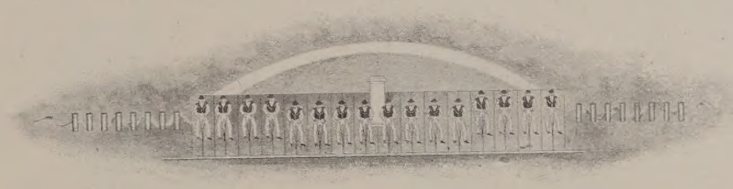
COST WITH 14 x 20 TIN						COST WITH 20 x 28 TIN					
Price of Tin per box	Cost per square of Flat Roof, 14 x 20 Tin	Cost per square foot	Price of Tin per box	Cost per square of Flat Roof, 14 x 20 Tin	Cost per square foot	Price of Tin per box	Cost per square of Flat Roof, 20 x 28 Tin	Cost per square foot	Price of Tin per box	Cost per square of Flat Roof, 20 x 28 Tin	Cost per square foot
$4.25	$2.21	.0221	$ 8.25	$4.29	.0429	$ 8.00	$2.01	.0201	$16.00	$4.01	.0401
4.50	2.34	.0234	8.50	4.42	.0442	8.50	2.13	.0213	16.50	4.13	.0413
4.75	2.47	.0247	8.75	4.55	.0455	9.00	2.26	.0226	17.00	4.26	.0426
5.00	2.60	.0260	9.00	4.68	.0468	9.50	2.38	.0238	17.50	4.38	.0438
5.25	2.73	.0273	9.25	4.81	.0481	10.00	2.51	.0251	18.00	4.51	.0451
5.50	2.86	.0286	9.50	4.94	.0494	10.50	2.63	.0263	18.50	4.63	.0463
5.75	2.99	.0299	9.75	5.07	.0507	11.00	2.76	.0276	19.00	4.76	.0476
6.00	3.12	.0312	10.00	5.20	.0520	11.50	2.88	.0288	19.50	4.88	.0488
6.25	3.25	.0325	10.25	5.33	.0533	12.00	3.00	.0300	20.00	5.01	.0501
6.50	3.38	.0338	10.50	5.46	.0546	12.50	3.13	.0313	20.50	5.13	.0513
6.75	3.51	.0351	10.75	5.59	.0559	13.00	3.25	.0325	21.00	5.26	.0526
7.00	3.64	.0364	11.00	5.72	.0572	13.50	3.38	.0338	21.50	5.38	.0538
7.25	3.77	.0377	11.25	5.85	.0585	14.00	3.50	.0350	22.00	5.51	.0551
7.50	3.90	.0390	11.50	5.98	.0598	14.50	3.63	.0363	22.50	5.63	.0563
7.75	4.03	.0403	11.75	6.11	.0611	15.00	3.75	.0375	23.00	5.76	.0576
8.00	4.16	.0416	12.00	6.24	.0624	15.50	3.88	.0388			

FLAT SEAMS—One box, 112 sheets, 14 x 20, will cover 192 square feet, allowing one inch for lock. One box, 112 sheets, 20 x 28, will cover 400 square feet, allowing one inch for lock. 59 sheets. 14 x 20, or 28 sheets, 20 x 28, cover 100 square feet.

COST OF STANDING SEAM TIN ROOFING

COST WITH 14 x 20 TIN						COST WITH 20 x 28 TIN					
Price of Tin per box	Cost per square of Standing Seam Roof, 14 x 20 Tin	Cost per square foot	Price of Tin per box	Cost per square of Standing Seam Roof, 14 x 20 Tin	Cost per square foot	Price of Tin per box	Cost per square of Standing Seam Roof, 20 x 28 Tin	Cost per square foot	Price of Tin per box	Cost per square of Standing Seam Roof, 20 x 28 Tin	Cost per square foot
$4.25	$2.37	.0237	$7.25	$4.03	.0403	$ 8.00	$2.15	.0215	$16.50	$4.42	.0442
4.50	2.51	.0251	7.50	4.17	.0417	8.50	2.28	.0228	17.00	4.56	.0456
4.75	2.65	.0265	7.75	4.31	.0431	9.00	2.41	.0241	17.50	4.69	.0469
5.00	2.79	.0279	8.00	4.45	.0445	9.50	2.55	.0255	18.00	4.82	.0482
5.25	2.93	.0293	8.25	4.59	.0459	10.00	2.68	.0268	18.50	4.96	.0496
5.50	3.06	.0306	8.50	4.73	.0473	10.50	2.82	.0282	19.00	5.09	.0509
5.75	3.20	.0320	8.75	4.87	.0487	11.00	2.95	.0295	19.50	5.23	.0523
6.00	3.34	.0334	9.00	5.01	.0501	11.50	3.09	.0309	20.00	5.36	.0536
6.25	3.48	.0348	9.25	5.15	.0515	12.00	3.21	.0321	20.50	5.49	.0549
6.50	3.62	.0362	9.50	5.29	.0529	12.50	3.35	.0335	21.00	5.63	.0563
6.75	3.76	.0376	9.75	5.43	.0543	13.00	3.48	.0348	21.50	5.76	.0576
7.00	3.90	.0390	10.00	5.57	.0557	13.50	3.62	.0362	22.00	5.90	.0590
						14.00	3.75	.0375	22.50	6.03	.0603
						14.50	3.89	.0389	23.00	6.17	.0617
						15.00	4.02	.0402	23.50	6.30	.0630
						15.50	4.15	.0415	24.00	6.43	.0643
						16.00	4.29	.0429			

STANDING SEAMS—One box, 112 sheets, 14 x 20, will cover 170 square feet, allowing one inch for cross lock, and 1¼ inches on one, and one inch on the other side of sheet for standing seam. One box, 112 sheets, 20 x 28, will cover 375 square feet, making same allowance for lock and seam, as above. 63 sheets, 14 x 20, or 30 sheets, 20 x 28, cover 100 square feet.



STANDARD WEIGHTS AND GAUGES TIN PLATES

Trade Term.	80-lb.	85-lb.	90-lb.	95-lb.	100-lb.	IC	IXL	IX	IXX	IXXX	IXXXX
Nearest wire gauge, No.	33½	32½	32	31	30½	30	28½	28	26½	25½	24½
Actual weight square foot, in lbs.	.367	.390	.413	.436	.459	.5	.588	.624	.721	.817	.913
Actual weight box, 14 x 20 in lbs	80	85	90	95	100	108	128	136	157	178	199

112 sheets, 14 x 20 per box, 280 square inches per sheet, 31,360 square inches per box.

Rule to Find the Price of a Given Box of 112 Sheets

Multiply the number of square inches in the given sheet by the base price. Divide the result by the number of square inches in the base sheet. Result will be the price of the given box.

Rule to Find the Base Price When Value is Stated of a Given Box of 112 Sheets

Multiply the number of square inches in a base sheet by the price of the given box. Divide result by number of square inches in the given sheet. Result will be the base price.

CONDUCTOR PIPES

CORRUGATED ROUND EXPANDING CONDUCTOR PIPE

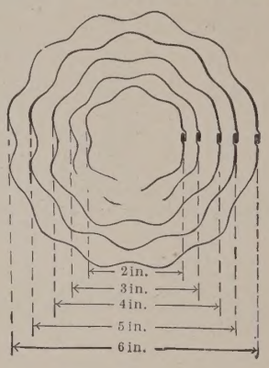
14 and 16 Ounce Copper. No. 28 Gauge Galvanized Steel.

Our Copper Conductor Pipes are made from the best cold rolled copper.

Our Galvanized Conductor Pipes are formed from the best quality of box annealed black sheets, and galvanized after being formed into ten foot lengths, having only one lengthwise seam, which is soldered inside and out, making the very best galvanized pipe on the market.

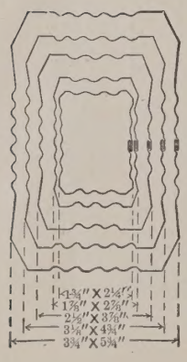
A case contains 250 lineal feet of unnested pipe. We can pack in the same crate 250 lineal feet of each size, under the largest size ordered, by nesting the pipe as shown in the accompanying illustration. Nested pipe takes lower freight rates than the unnested pipe.

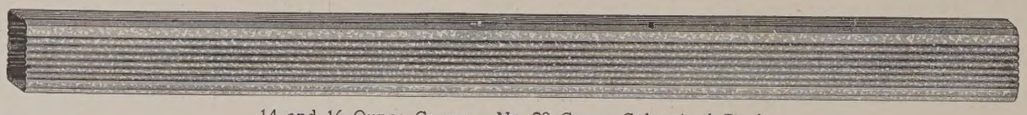
A charge of 50 cents for crating will be made on orders of less than a case of 250 lineal feet.



Size	14 and 16 Ounce Copper	No. 28 Gauge Galvanized Steel
2-inch	$0.40 per foot	$0.12 per foot
3-inch	.50 per foot	.15 per foot
4-inch	.65 per foot	.20 per foot
5-inch	.85 per foot	.25 per foot
6-inch	1.00 per foot	.30 per foot

CORRUGATED SQUARE EXPANDING CONDUCTOR PIPE



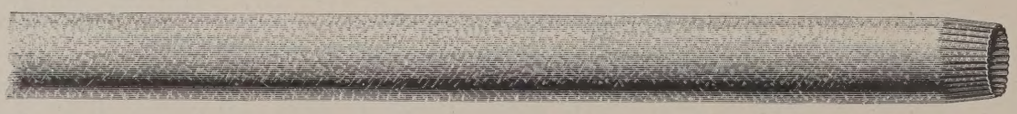


14 and 16 Ounce Copper. No. 28 Gauge Galvanized Steel.

Size	14 and 16 Ounce Copper	No. 28 Gauge Galvanized Steel
1¾ x 2¼-inch (2-inch)	$0.40 per foot	$0.13 per foot
1⅞ x 2⅞-inch (3-inch)	.50 per foot	.16 per foot
2½ x 3⅞-inch (4-inch)	.65 per foot	.21 per foot
3⅛ x 4¾-inch (5-inch)	.85 per foot	.26 per foot
3¾ x 5¾-inch (6-inch)	1.00 per foot	.31 per foot

Capacity of Square Conductor is the same as the corresponding sizes of Round.

PLAIN ROUND LOCK SEAM PIPE



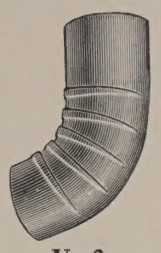
14 and 16 Ounce Copper. No. 28 Gauge Galvanized Steel.

Size	14 and 16 Ounce Copper	No. 28 Gauge Galvanized Steel	IX Terne Plate
2 -inch	$0.40 per foot	$0.12 per foot	$0.11 per foot
3 -inch	.50 per foot	.15 per foot	.13 per foot
3½-inch	.57 per foot	.18 per foot	.15 per foot
4 -inch	.65 per foot	.20 per foot	.16 per foot
5 -inch	.85 per foot	.25 per foot	.22 per foot
6 -inch	1.00 per foot	.30 per foot	.28 per foot

WRITE FOR DISCOUNT SHEET.

ELBOWS AND SHOES

No. 1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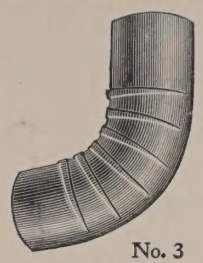
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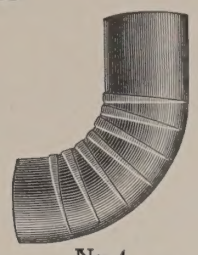
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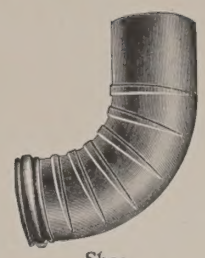

Shoe

PLAIN ROUND—Tin

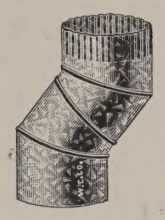
PLAIN ROUND—Galvanized

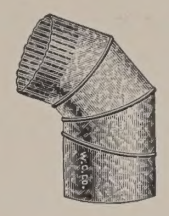
Sizes	2 Inches	3 Inches	3½ Inches	4 Inches	5 Inches	6 Inches	2 Inches	3 Inches	3½ Inches	4 Inches	5 Inches	6 Inches
Elbows ..... Each	20 cents	25 cents	30 cents	35 cents	42 cents	50 cents	25 cents	30 cents	35 cents	40 cents	50 cents	60 cents
Shoes ..... Each	25 cents	30 cents	35 cents	40 cents	50 cents	60 cents	30 cents	36 cents	42 cents	48 cents	60 cents	72 cents

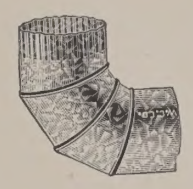
All angles one price. Order by size and number. See copper list on next page.

ADJUSTABLE ELBOWS

BRIGHT TIN







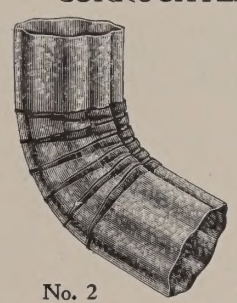
GALVANIZED

Sizes	2 Inches	3 Inches	3½ Inches	4 Inches	5 Inches	6 Inches	2 Inches	3 Inches	3½ Inches	4 Inches	5 Inches	6 Inches
Price ..... Per Dozen	$1 30	1.80	2.25	2.25	3.00	5.00	$1 60	2 40	3 00	3.00	3 60	5.40

These elbows are adjustable to any angle from a straight line to a right angle.

CORRUGATED ROUND EXPANDING ELBOWS AND SHOES

No. 1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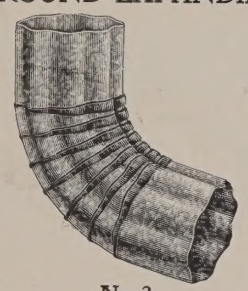
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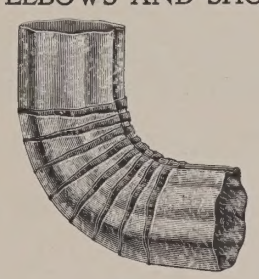
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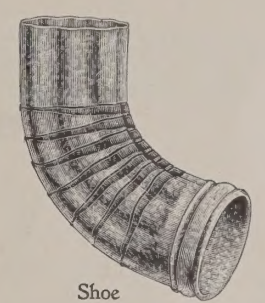
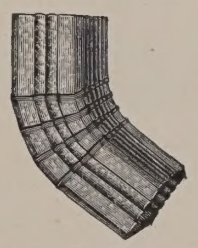

Shoe

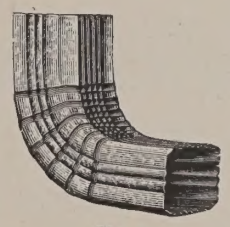
Sizes	2 Inches	3 Inches	4 Inches	5 Inches	6 Inches
Galvanized Elbows ..... Each	25 cents	30 cents	40 cents	50 cents	60 cents
Galvanized Shoes ..... Each	30 cents	36 cents	48 cents	60 cents	72 cents

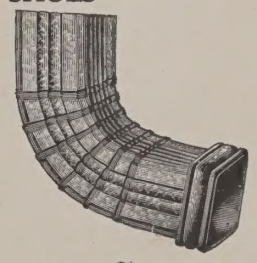
All angles one price. Order by size and number. See copper list on next page.

STYLE A—CORRUGATED SQUARE EXPANDING ELBOWS AND SHOES

No. 1


No. 2


No. 3

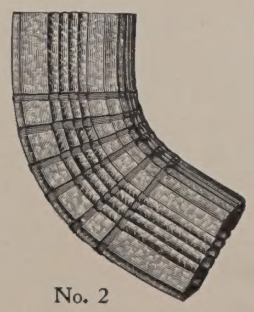

Shoe

Sizes	2 Inches	3 Inches	4 Inches	5 Inches	6 Inches
Galvanized Elbows ..... Each	30 cents	36 cents	48 cents	60 cents	72 cents
Galvanized Shoes ..... Each	40 cents	48 cents	60 cents	72 cents	84 cents

This style is furnished unless Style B is specified. Order by size and number. Copper list on next page.

STYLE B—CORRUGATED EXPANDING ELBOWS AND SHOES—Prices Same as Style A

No. 1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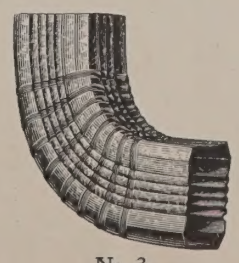
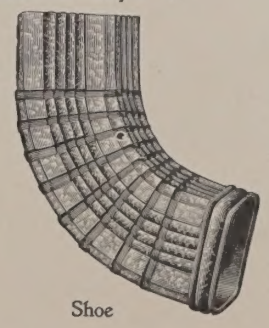

No. 3


Shoe

PRICE LIST OF FLAT CRIMP COLD ROLLED COPPER ELBOWS AND SHOES

SIZE	ROUND AND CORRUGATED		SQUARE	
	Elbows	Shoes	Elbows	Shoes
2-inch	30 cents each	35 cents each	35 cents each	40 cents each
3-inch	35 cents each	45 cents each	45 cents each	55 cents each
4-inch	55 cents each	65 cents each	65 cents each	80 cents each
5-inch	80 cents each	95 cents each	$1.00 each	$1.25 each
6-inch	$1.10 each	$1.25 each	1.40 each	1.55 each

All previous lists are void. Discounts quoted on application.

The above list applies to 12, 14 and 16 ounce copper.

The two and three inch sizes are not made heavier than 14 ounces.

The net price of 12-ounce Copper Elbows is almost equal to that of 14-ounce Elbows, owing to the advance in price on 12-ounce copper per pound over the 14-ounce.

In asking for discounts always state what weight of copper is wanted.

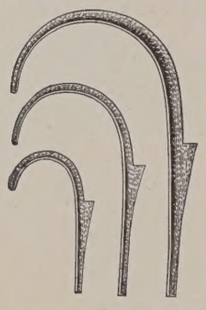
The shape of our Pipes, Elbows and Shoes is now the recognized standard, and the Elbows and Shoes shown on the preceding page are made to fit these pipes. The square pipes of our manufacture have the same capacity as the same size of round.

We have a complete stock ready for shipment of Copper Conductor pipes, Elbows and Shoes.

Our Galvanized Conductor Pipes, Elbows and Shoes are galvanized after formed, making the same perfectly tight.

CONDUCTOR AND FLASHING HOOKS

SICKLE HOOKS—Tinned

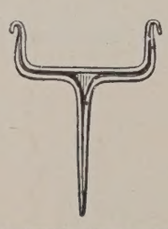


CORRUGATED HINGED HOOKS—Tinned

ROUND HINGED HOOKS—Tinned

	Sickle Hooks—Tinned					Corrugated Hinged Hooks—Tinned				Round Hinged Hooks—Tinned				
Size	2 Ins.	3 Ins.	4 Ins.	5 Ins.	6 Ins.	2 Ins.	3 Ins.	4 Ins.	5 Ins.	2 Ins.	3 Ins.	4 Ins.	5 Ins.	6 Ins.
For Brick, per 100, net	1.75	2.75	4.25	6.00	8.00	3.50	4.50	5.50	6.50	3.50	4.50	5.50	6.50	7.50
For Wood, per 100, net	1.00	2.00	3.00	4.00	5.00	3.00	4.00	5.00	6.00	2.50	3.50	4.50	5.50	6.50

SQUARE WIRED HOOKS—Tinned



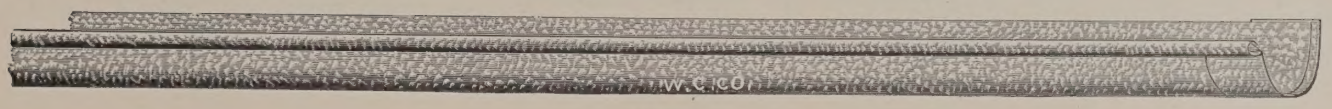
ROUND WIRED HOOKS—Tinned

FLASHING HOOKS—Tinned

	Square Wired Hooks—Tinned				Round Wired Hooks—Tinned				Flashing Hooks—Tinned			
Size	2 Ins.	3 Ins.	4 Ins.	5 Ins.	2 Ins.	3 Ins.	4 Ins.	5 Ins.	1½ Ins.	2½ Ins.	3½ Ins.	5½ Ins.
For Brick, per 100 net	2.50	3.00	3.50	4.00	2.50	3.00	3.50	4.00	0.35	0.55	1.00	1.70
For Wood, per 100 net	1.50	2.00	2.50	3.00	1.50	2.00	2.50	3.00	....	....	....	....

EAVES TROUGHS

SLIP JOINT TROUGH—Single Bead



These Troughs are made in a single piece, in ten-foot lengths. The slip joints are easily put together, although perfectly water tight, and dispense with the necessity of soldering the joints.

The beads are strong, perfectly uniform in shape, and make this a much stronger trough than the soldered. Expansion and contraction do not affect these joints.

PRICE LIST PER FOOT—Single Bead

Size	3 Inch 6 Inch Girt	3½ Inch 7 Inch Girt	4 Inch 8 Inch Girt	5 Inch 10 Inch Girt	6 Inch 12 Inch Girt	7 Inch 14 Inch Girt	8 Inch 16 Inch Girt
No. 28 Galvanized Steel	14 cents	15 cents	17 cents	20 cents	24 cents	28 cents	31 cents
IX Terne Plate	10 cents	11 cents	12 cents	14 cents	16 cents	18 cents	21 cents

LAP JOINT TROUGH—Single Bead

These Troughs are perfect in form, style and strength of bead.

PRICE LIST PER FOOT—Single Bead

Size	3 Inch 6 Inch Girt	3½ Inch 7 Inch Girt	4 Inch 8 Inch Girt	5 Inch 10 Inch Girt	6 Inch 12 Inch Girt	7 Inch 14 Inch Girt	8 Inch 16 Inch Girt
No. 28 Galvanized Steel	13 cents	14 cents	16 cents	19 cents	23 cents	27 cents	30 cents
IX Terne Plate	9 cents	10 cents	11 cents	13 cents	15 cents	17 cents	20 cents

DOUBLE BEAD TROUGH FOR SLIP OR LAP JOINT

PRICE LIST PER FOOT—Slip Joint

Size	3 Inch 8 Inch Girt	3½ Inch 9 Inch Girt	4 Inch 10 Inch Girt	5 Inch 12 Inch Girt	6 Inch 14 Inch Girt	7 Inch 16 Inch Girt	8 Inch 18 Inch Girt
No. 28 Galvanized Steel	17 cents	18 cents	20 cents	23 cents	27 cents	31 cents	34 cents
IX Terne Plate	13 cents	14 cents	15 cents	17 cents	19 cents	21 cents	24 cents

PRICE LIST PER FOOT—Lap Joint

Size	3 Inch 8 Inch Girt	3½ Inch 9 Inch Girt	4 Inch 10 Inch Girt	5 Inch 12 Inch Girt	6 Inch 14 Inch Girt	7 Inch 16 Inch Girt	8 Inch 18 Inch Girt
No. 28 Galvanized Steel	16 cents	17 cents	19 cents	22 cents	26 cents	30 cents	33 cents
IX Terne Plate	12 cents	13 cents	14 cents	16 cents	18 cents	20 cents	23 cents

NOTE—Add one cent per foot to above lists for 27 gauge galvanized, two cents for 26, six cents for 24, ten cents for 22, and fifteen cents for 20. A charge of twenty-five cents for crating will be made on orders of less than a case lot, 250 lineal feet. State whether right hand or left hand is wanted, otherwise half right and half left will be shipped.

WRITE FOR DISCOUNT SHEET.

EAVE TROUGH HANGERS

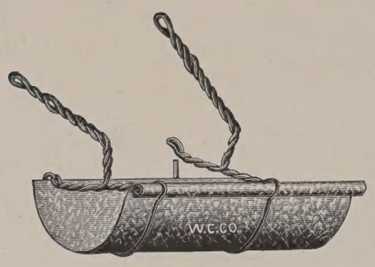
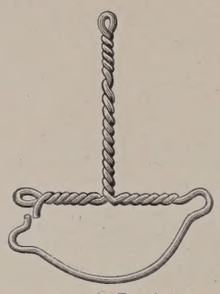


Fig. 55.

Single Bead.



Double Bead.

STANDARD GALVANIZED STEEL WIRE

PRICE LIST

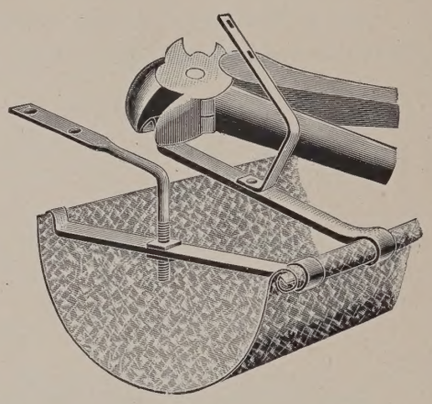
3 -inch, ½-inch bead	$2.00 per gross
3½-inch, ½-inch bead	2.25 per gross
4 -inch, ½-inch bead	2.50 per gross
5 -inch, ½-inch bead	3.00 per gross
6 -inch, ⅝-inch bead	3.25 per gross

Easily applied, cheap, strong, reliable and always satisfactory.

STEEL EAVE TROUGH HANGER

PRICE LIST PER GROSS

With Rods and Nuts Complete.		With Straps Riveted on Cross Bars, Complete.	
3 -inch	$3.75	3 -inch	$3.50
3½-inch	4.00	3½-inch	3.50
4 -inch	4.25	4 -inch	3.75
4½-inch	4.35	4½-inch	3.85
5 -inch	4.50	5 -inch	4.00
6 -inch	5.00		
7 -inch	6.00		
8 -inch	8.00		



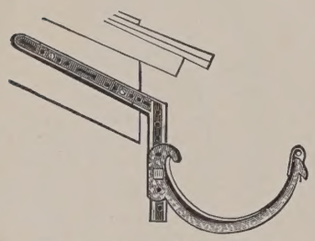
NOTE—Sizes shown above are taken inside the bead. Rods and nuts are always sent unless otherwise ordered.

In ordering state the size of the bead wanted.

Hanger Tongs, each, net, 40c.

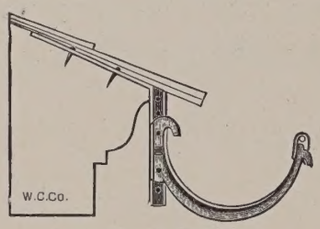
Rod Bender, each, net, 75c.

PATENT ADJUSTABLE IRONS



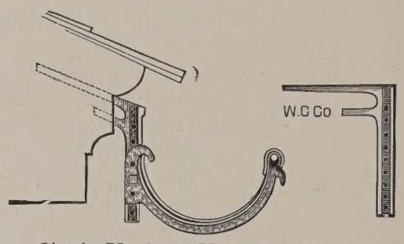
Shank No. 11, Rafter Irons.

For use where the rafter is exposed. The Shank is nailed to the side of rafter.



Shank No. 12, Roof Irons.

For fastening under shingles or slate. Can be bent to any pitch.



Shanks No. 9 and No. 7, Drive Irons.

Made to drive square in the cornice from three to four inches. The lower prong forms a brace for the upper.

Shank No. 6.

Shank No. 10.

Front irons to nail against square box cornices.

PRICE LIST—(Put up in Packages of 50 each.)

Shanks Nos. 7 and 9, per 100, net	$2.00
Shanks Nos. 8, 10 and 13, per 100, net	3.00
Shanks Nos. 6, 11 and 12, per 100, net	3.50
Circles for 3 -inch trough, inside measurement, per 100, net	2.00
Circles for 3½-inch trough, inside measurement, per 100, net	2.00
Circles for 4 -inch trough, inside measurement, per 100, net	2.00
Circles for 5 -inch trough, inside measurement, per 100, net	3.00
Circles for 6 -inch trough, inside measurement, per 100, net	4.00
Circles for 7 and 8-inch troughs, inside measurement, per 100, net	5.00

Shanks and circles are listed separate for the convenience in arranging list and for those who order assortments not evenly matched.

In ordering, state quantity and number of shanks, and size of circle wanted.

Measurements are taken inside of trough. In measuring troughs for circles always spread trough to a true compass inside of bead.

EAVE TROUGH MITRES

Fig. 53. Outer Corner Mitre.

Fig. 54. Inner Corner Mitre.

NET PRICE LIST—Slip Joint, per Dozen

Size	3 Inches	3½ Inches	4 Inches	5 Inches	6 Inches	7 Inches	8 Inches
No. 28 Galvanized Steel	$2.75	$3.00	$3.25	$3.50	$4.00	$4.75	$5.50
IX Terne Tin	2.35	2.50	2.75	3.25	3.50	.....	.....

NET PRICE LIST—Lap Joint, per Dozen

Size	3 Inches	3½ Inches	4 Inches	5 Inches	6 Inches	7 Inches	8 Inches
No. 28 Galvanized Steel	$2.25	$2.50	$2.75	$3.00	$3.50	$4.25	$5.00
IX Terne Tin	1.85	2.00	2.25	2.75	3.00	.....	.....

For Double Bead Mitres add 50 cents per dozen to above prices.
In ordering specify clearly how many right and left and how many inner and outer mitres are wanted; otherwise half of each will be shipped.

END PIECES WITH OUTLET—18 Inches Long

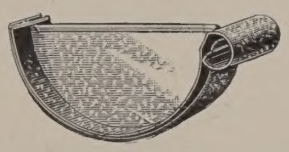
Fig. 60. Left hand end piece.

Fig. 61. Right hand end piece.

PRICE LIST

3½-inch, made with 2-inch drop, per dozen, net.....$1.80
4 -inch, made with 2-inch drop, per dozen, net..... 2.00
5 -inch, made with 3-inch drop, per dozen, net 2.25
6 -inch, made with 4-inch drop, per dozen, net..... 2.75

Made either of 28 gauge galvanized steel or IX terne plate.
State clearly the length wanted. the exact distance from the end of the piece to the center of the outlet, and whether for right or left hand.



SLIP JOINT END PIECES—Price List per Dozen

Size	3½ Inches	4 Inches	5 Inches	6 Inches	7 Inches	8 Inches
No. 28 Galvanized Steel	$1.00	$1.15	$1.25	$1.50	$2.00	$2.25

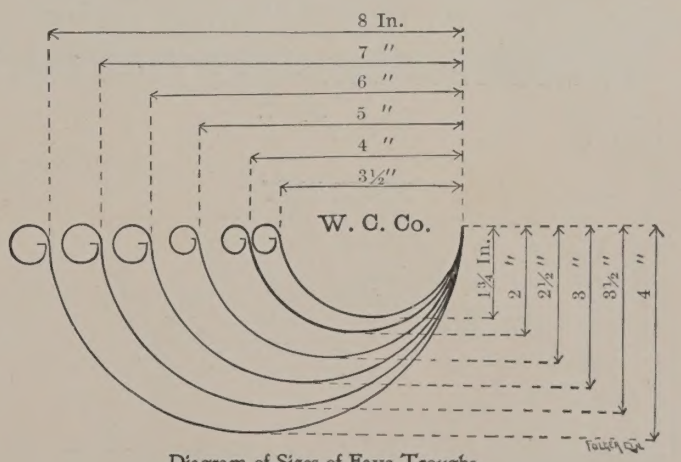
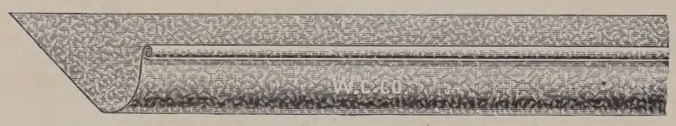


Diagram of Sizes of Eave Troughs.

ROOF GUTTERS

Made of 28 gauge Galvanized Steel in 8-foot lengths.
The nails used in fastening are not exposed.
No wooden supports needed.
In ordering always specify exact pitch of roof.



Style A.

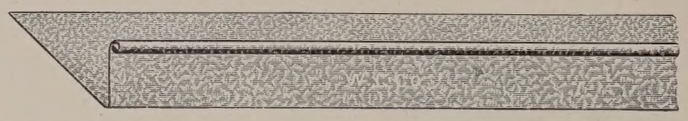
PRICE LIST

	Galvanized Steel
14 inch Girt, ⅝-inch Bead, per foot	35 cents
20 inch Girt, ⅝-inch Bead, per foot	50 cents
24 inch Girt, ⅝-inch Bead, per foot	60 cents

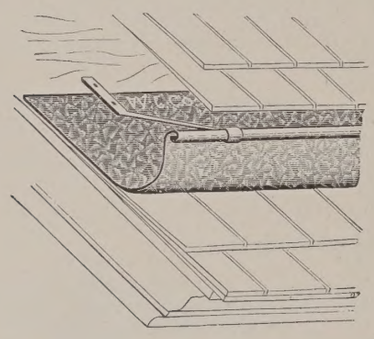
PRICE LIST

	Galvanized Steel
15 inch Girt, ⅝-inch Bead, per foot	37 cents
20 inch Girt, ⅝-inch Bead, per foot	50 cents
24 inch Girt, ⅝-inch Bead, per foot	60 cents

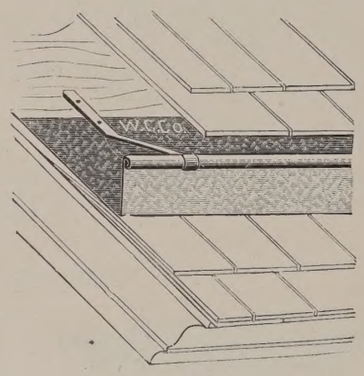
Hangers for above Gutters, each, net, 3 cents.



Style B.



Style A in Position.



Style B in Position.

QUARTER CIRCLE, O. G. AND BOX GUTTERS

Made in 8-foot lengths of Galvanized Steel.
Backs of troughs same height as bead end.
For high backs add two cents per foot to list prices for each additional inch added to back.

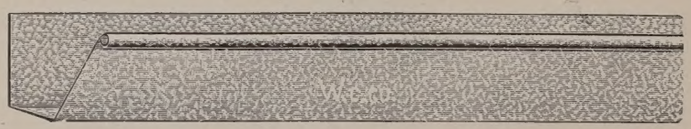
Style C.

PRICE LIST

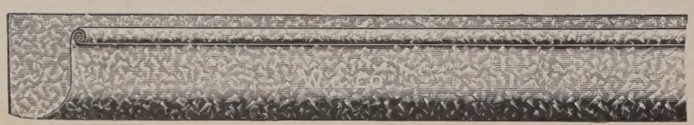
Size	5 inches	6 inches	7 inches
Depth	3½ inches	4¼ inches	4½ inches
Girt	12 inches	14 inches	16 inches
Galvanized	30c. per foot	35c. per foot	40c. per foot

PRICE LIST

Size	6 inches	7 inches	8 inches
Depth	4 inches	5 inches	5¾ inches
Girt	15 inches	18 inches	20 inches
Galvanized	37c. per foot	45c. per foot	50c. per foot



Style D.



Style E.

PRICE LIST

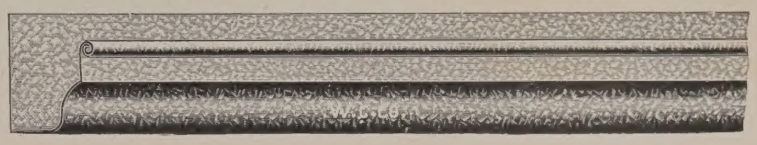
Size	6 inches	7 inches	8 inches
Depth	4½ inches	5½ inches	7 inches
Girt	15 inches	18 inches	22 inches
Galvanized	37c. per foot	45c. per foot	55c. per foot

ROOF GUTTERS

Style F.

PRICE LIST

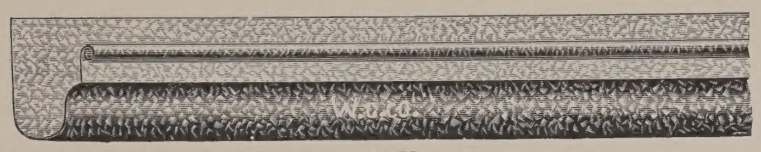
Size	6 inches	7 inches	8 inches
Depth	5½ inches	6½ inches	7 inches
Girt	18 inches	20 inches	22 inches
Galvanized	45c. per foot	50c. per foot	55c. per foot



Style G.

PRICE LIST

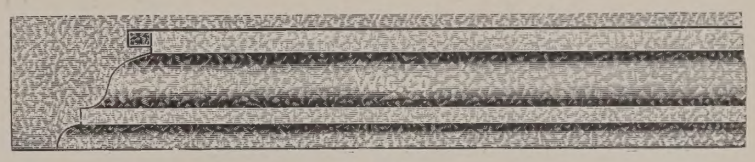
Size	6 inches	7 inches	8 inches
Depth	4 inches	4¾ inches	5½ inches
Girt	14 inches	16 inches	18 inches
Galvanized	35c. per foot	40c. per foot	45c. per foot



Style H.

PRICE LIST

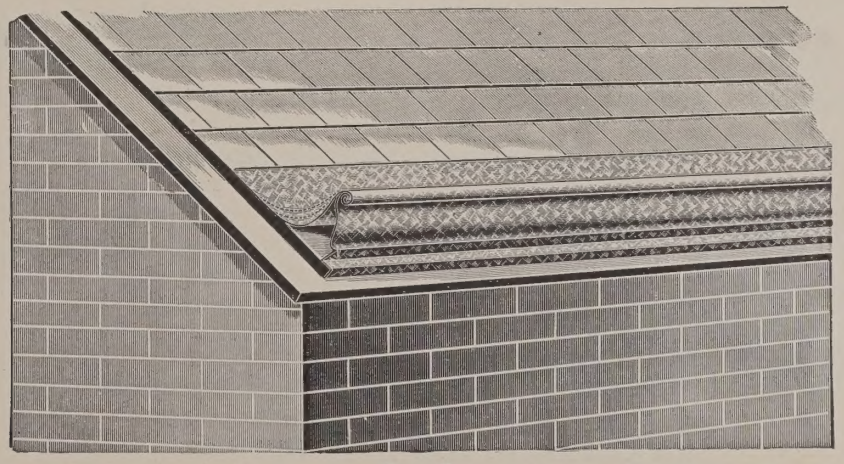
Size	6 inches	7 inches	9 inches
Depth	5¾ inches	6½ inches	8 inches
Girt	18 inches	20 inches	24 inches
Galvanized	54c. per foot	60c. per foot	72c. per foot



Style J.

CORNICE AND ROOF GUTTER

Eight Foot Lengths—Galvanized Steel.



Style K.

Made in two sections. Easily and cheaply applied.

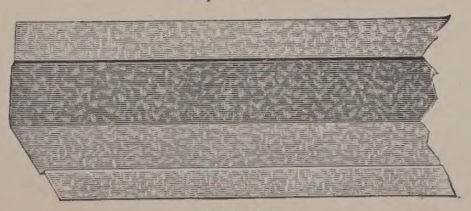
PRICE LIST

24-inch girt, 4½ inches deep	60 cents per foot
28-inch girt, 5¼ inches deep	70 cents per foot
30-inch girt, 6 inches deep	75 cents per foot

GALVANIZED VALLEY

Eight-foot Lengths.

Style A.



Style B.

PRICE LIST

10-inch girt	25 cents per foot
12-inch girt	30 cents per foot
14-inch girt	35 cents per foot
16-inch girt	40 cents per foot
20-inch girt	50 cents per foot

RIDGE AND CORNER COVERINGS

ROUND RIDGE CAPS

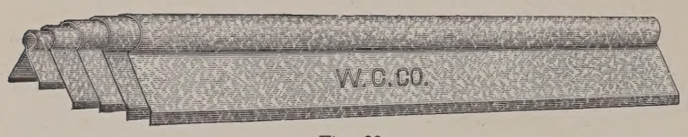


Fig. 33

PRICE LIST

Size of Roll	1¼ inch	1½ inch	2 inch	2½ inch	3 inch
Girt	7 inch	8 inch	10 inch	12 inch	15 inch
Galvanized, per foot	14 cents	16 cents	19 cents	23 cents	28 cents
Painted, per foot	12 cents	14 cents	17 cents	21 cents	26 cents

If sizes are not given we ship the 2-inch, and if quality is not given we ship the galvanized. In applying, lap about 2 inches.

ANGLE RIDGE CAP

PRICE LIST

	Galvanized	Painted
3-inch apron	13 cents per foot	11 cents per foot
3½-inch apron	14 cents per foot	12 cents per foot
4-inch apron	16 cents per foot	14 cents per foot

Fig. 39

If size is not given we ship the 4-inch, and if quality is not given we ship the galvanized. We make other styles when drawings are submitted.

CORRUGATED RIDGING

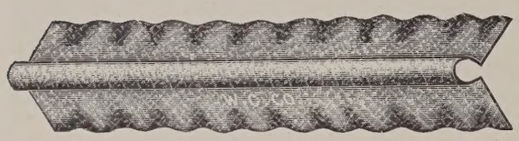


Fig. 57

PRICE LIST

Galvanized ..... 25 cents per foot
Painted ..... 23 cents per foot

CORRUGATED WOOD FILLER

PRICE LIST

One size, 1¼ inches thick, 3 inches wide, 5 feet 4 inches long, 4 cents per foot.
For 2½-inch corrugation only.

Fig. 40

CORRUGATED END WALL FLASHING

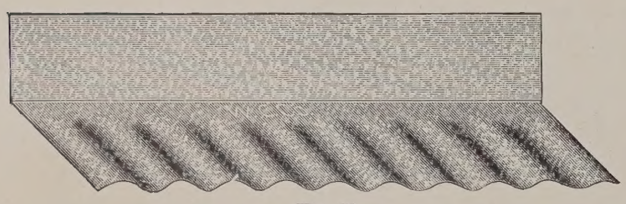


Fig. 58

PRICE LIST

Galvanized ..... 25 cents per foot
Painted ..... 23 cents per foot

CORRUGATED SIDE WALL FLASHING

PRICE LIST

Galvanized ..... 25 cents per foot
Painted ..... 23 cents per foot

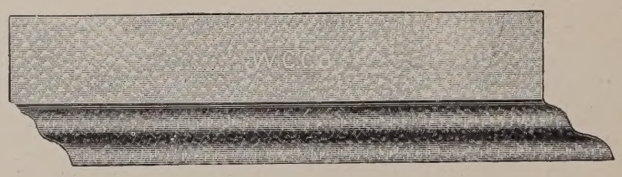


Fig. 59

CORNER CAP

Fig. 41

PRICE LIST

One size, 2-inch roll.

Galvanized ..... 19 cents per foot
Painted ..... 17 cents per foot

If quality is not stated we ship the galvanized.

CORNER BOARD

PRICE LIST

One size, 4-inch face and 1-inch angle.

Galvanized ..... 25 cents per foot
Painted ..... 23 cents per foot

If quality is not stated we ship the galvanized.

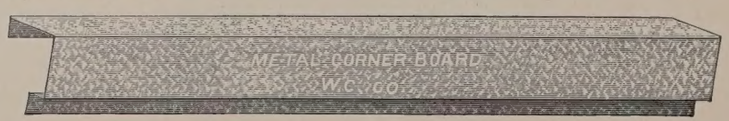
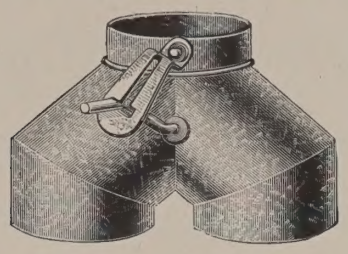


Fig. 42

THE RAINBOW RAIN WATER CUT-OFF

THE LATEST AND BEST



This cut-off has a positive catch action, is self-locking, durable and cheap. It contains no springs or levers to become loose, get out of order, corrode or break. The few parts of which it is composed are well galvanized, and it embraces all the desirable features of the best cut-offs.

PRICE LIST

Size	2 Inches	2½ Inches	3 Inches	3½ Inches	4 Inches	5 Inches	6 Inches
Tinned, per dozen	$5 00	$5 00	$6 00	$8 00	$ 9 00	$14 00	$20 00
Galvanized, per dozen	7 00	7 00	8 00	9 50	11 00	20 00	24 00

Each size up to 5-inch packed in crates of one dozen.
Crates of 5 and 6 inch contain one-half dozen each.
No charge for crating.

SOLDER

We make two standard grades.
Commercial Half-and-half, price per lb., net, ... ¢
Warranted Half-and-half, price per lb., net, ... ¢

LEAD WASHERS

About 325 Washers to the pound. Put up in boxes containing 100 pounds each
List price, 20 cents per pound.

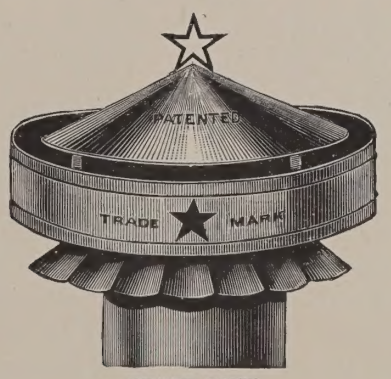
GALVANIZED CONDUCTOR STRAINERS

Invaluable for keeping leaves and similar obstructions out of conductors.

PRICE LIST

Size	2 Inches	3 Inches	4 Inches	5 Inches	6 Inches
Per dozen	$1 50	$2 00	$3 00	$3 50	$4 00

STAR VENTILATORS AND CHIMNEY CAPS—Galvanized Steel



PRICE LIST

Diameter	Galvanized	Diameter	Galvanized	Diameter	Galvanized
2 -inch	$1 00	6-inch	$ 3 40	18-inch	$ 27 00
2½-inch	1 00	7-inch	4 00	20-inch	33 00
3 -inch	1 50	8-inch	4 65	24-inch	40 00
3½-inch	1 50	9-inch	5 20	30-inch	65 00
4 -inch	1 75	10-inch	5 75	36-inch	120 00
4½-inch	2 00	12-inch	6 75	40-inch	180 00
5 -inch	2 50	14-inch	13 00	48-inch	240 00
5½-inch	2 85	16-inch	20 00	60-inch	360 00

WIRE NAILS—Black and Galvanized

We carry the following sizes in stock:

1-inch (2d) Patent Barbed, for roofing.
1¾-inch (5d) Patent Barbed, for roofing.
1½-inch (3d) Patent Barbed, for ceiling. Cone heads.
1½-inch (4d) Patent Barbed, for general purposes.
2½-inch (8d) Patent Barbed, for general purposes.
3-inch (10d) Patent Barbed, for general purposes.

We use these nails exclusively, and recommend them to consumers wanting perfect nails.

BUILDING OR LINING PAPER

500 square feet in a roll. $1.10 per roll, net.

Paper protects the paint on the under side of metallic roofs and deadens sound.

It is advisable to use lining papers on all roofs, whether steel, iron, slate or shingles, as it is a non-conductor of heat and cold and makes buildings cooler in summer and warmer in winter. Also prevents condensation and dampness, and makes the buildings more dry and healthful.

DRY IRON ORE PAINT

Color—Dark Red.

Used for painting metal roofs, factory, farm and railroad buildings, freight cars, bridges, fences and iron work of all kinds, exposed brick walls, etc.

PRICES

Kegs, 100 pounds.....2 cents per pound, net
Barrels, 400 pounds.....1½ cents per pound, net
Ton lots.....1 cent per pound, net

We use this paint exclusively.

Dry paint should be mixed with boiled linseed oil to the same consistency as any other paint. If it is wanted to set quick, a little dryer may be used. For painting or repairing old metal roofs it should be mixed thick and spread heavy.

READY-MIXED PAINT

One gallon of our mixed paint will spread a good coat over four hundred square feet. It will last and protect the surface.

PRICES

One gallon, in wooden pail.....90 cents per gallon, net
Two to five gallons, in wooden pail.....85 cents per gallon, net
Five to ten gallons, in wooden pail.....80 cents per gallon, net
Half Barrel.....70 cents per gallon, net
Barrel.....65 cents per gallon, net

PAINT GROUND IN PURE LINSEED OIL

Paste Form.

We use the dry paint described above and pure linseed oil in preparing this paste. It only requires half as much oil to mix for use as dry paint.

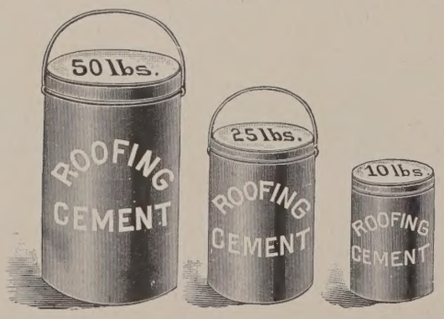
PRICES—Paste

25 pound cans.....5 cents per pound, net
50 pound cans.....4½ cents per pound, net
100 pound cans.....4¼ cents per pound, net
Barrels.....3¾ cents per pound, net

ELASTIC ROOFING CEMENT

For pointing up and preventing leaks in metallic roofs, around chimneys, copings, skylights, gutters, cupolas, dormer windows, slate, stone, brick and wood.

Iron, tin, shingle and slate roofs can be made absolutely and permanently water-tight by the use of this elastic roof cement. It is very adhesive; sticks to anything; will not crack in summer or winter; easily applied with knife or trowel.



Every kind of a leak in roofs can be effectually stopped by this cement. It can be applied readily and perfectly by any one without the use of heat or special tools, which cannot be done with solder or any other kind of compound. No joint, seam or leak upon which this cement is applied ever gives out. Tinners and roofers cannot afford to do without it.

PRICES

10 pound cans.....8 cents per pound, net
25 pound cans.....7 cents per pound, net
50 pound cans.....6 cents per pound, net

DIRECTIONS FOR USING

Prime around leak with paint; take a piece of muslin of a size to extend one inch all around the leak; fray the edges of muslin; cover one side of it with cement and paste over the hole; spread it smooth to expel the air from beneath and then paint the patch.

TELEGRAPHIC CODE

ARRANGED FOR THE USE OF

THE WHEELING CORRUGATING COMPANY

WHEELING, W. VA.

JANUARY, 1897

TELEGRAPHIC CODE

EXAMPLE:

Ship immediately by freight, sight draft attached to bill of lading, one hundred and twenty-five squares rock-face stone siding, number 28, 26½ x 51½, galvanized, with nails and dry paint.

CIPHER:

Lucid amort squares color canvas.

LOWING.....Ship as soon as possible.
LOWLY.....Ship immediately.
LOYAL.....Ship immediately by express.
LUBBER.....Ship immediately by express C. O. D.
LUBRIC.....Ship immediately by freight.
LUCID.....Ship immediately by freight; sight draft attached to bill-lading.

NUMERALS

In ordering quantity, follow cipher word with Bundles, Dozen, Hundreds, Pieces, Feet, Sheets, Squares, Gross, Pounds, Tons, Boxes or Cases, whichever is wanted. For prices, prefix the word Price.

Cipher	Number
Aband	1
Abduct	2
Abear	3
Abed	4
Abet	5
Abhor	6
Abide	7
Abject	8
Abler	9
Ably	10
Abnet	11
Abram	12
Abroad	13
Absent	14
Absorb	15
Abuse	16
Abyss	17
Accede	18
Accent	19
Access	20
Accord	21
Accost	22
Accrue	23
Ache	24
Acid	25
Acme	26
Acorn	27
Acquit	28
Acre	29
Acrid	30
Across	31
Acted	32
Action	33
Acute	34
Adage	35
Adam	36
Adapt	37
Adder	38
Adduce	39
Adhere	40
Adit	41
Adjoin	42
Adjust	43
Admire	44
Ado	45
Adonis	46
Adore	47
Adorning	48
Adorable	49
Adroit	50
Adult	51
Advent	52
Adverb	53
Advise	54
Afar	55
Affect	56
Affirm	57
Affix	58
Afoot	59
Agate	60
Aged	61
Aghast	62
Agile	63
Agnate	64
Agness	65
Agog	66
Agone	67
Agree	68
Ague	69
Ahead	70
Aid	71
Aiding	72
Ailed	73
Aim	74
Air	75
Airing	76
Akin	77
Alarm	78
Alas	79
Alcade	80
Alcove	81
Alder	82
Aldine	83
Ale	84
Alert	85
Alias	86
Alibi	87
Alien	88
Alight	89
Alike	90
Alive	91
Alkali	92
Allege	93
Allot	94
Alloy	95
Allure	96
Ally	97
Alma	98
Almond	99
Alms	100
Alone	101
Along	102
Aloud	103
Alps	104
Alpha	105
Alpine	106
Alto	107
Alum	108
Alvine	109
Always	110
Amass	111
Amaze	112
Amber	113
Amble	114
Ambush	115
Amends	116
Ament	117
Amethyst	118
Amiable	119
Amid	120
Amity	121
Amnesty	122
Among	123
Amorous	124
Amort	125
Ample	126
Amuck	127
Amulet	128
Amuse	129
Ana	130
Anaconda	131
Anadem	132
Anaglyph	133
Anagram	134
Analects	135
Analeptic	136
Analogy	137
Analysis	138
Analyst	139
Analyze	140
Ananas	141
Anapest	142
Anarch	143
Anarchy	144
Anatomist	145
Anatomy	146
Anatron	147
Ancestor	148
Ancestry	149
Anchor	150
Ancient	151
Ancony	152
Android	153
Anecdote	154
Anemone	155
Anent	156
Anew	157
Angel	158
Angelet	159
Angelic	160
Anger	161
Angina	162
Angle	163
Angler	164
Angling	165
Angry	166
Anguish	167
Anillar	168
Anility	169
Animal	170
Animalism	171
Animate	172
Animation	173
Animose	174
Anise	175
Ankle	176
Anlace	177
Annals	178
Annats	179
Anneal	180
Annet	181
Annex	182
Annona	183
Annotate	184
Announce	185
Annoy	186
Annual	187
Annuity	188
Annul	189
Anodyne	190
Anoint	191
Anomaly	192
Anon	193
Anonymous	194
Another	195
Ansated	196
Anserine	197
Ant	198
Anta	199
Antagonist	200
Antagonize	201
Antalgic	202
Antecede	203
Antecedent	204
Antelope	205
Antenna	206
Anterior	207
Antes	208
Anthem	209
Anther	210
Anthracite	211
Anthrax	212
Antic	213
Anticipate	214
Anticore	215
Antidote	216
Antimony	217
Antinomy	218
Antipathy	219
Antiphon	220
Antiphonal	221
Antipodal	222
Antipodes	223
Antique	224
Antiquity	225
Antiseptic	226
Antithesis	227
Antre	228
Anvil	229
Anxiety	230
Anxious	231
Aorist	232
Aorta	233
Apace	234
Apart	235
Apathy	236
Ape	237
Apeake	238
Aperient	239
Apert	240
Aperture	241
Apery	242
Apex	243
Aphis	244
Aphony	245
Aphorism	246
Aphorist	247
Apiary	248
Apices	249
Apiece	250
Apish	251
Apode	252
Apogee	253
Apologue	254
Apology	255
Aporia	256
Apostasy	257
Apostate	258
Apostle	259
Apozem	260
Appall	261
Apparel	262
Apparent	263
Appeach	264
Appeal	265
Appear	266
Appease	267
Append	268
Appetite	269
Applaud	270
Applause	271
Apple	272
Appliance	273
Applicant	274
Apply	275
Appoint	276
Appointed	277
Appraise	278
Apprise	279
Approval	280
Approve	281
Appulse	282
Apricot	283
Apron	284
Apsis	285
Apt	286
Apteral	287
Apterous	288
Aptitude	289
Aptly	290
Aptness	291
Aptote	292
Aqua	293
Aquatic	294
Aqueous	295
Arab	296
Arabic	297
Arabist	298
Arable	299
Arbalist	300
Arbiter	301
Arbor	302
Arboral	303
Arboret	304
Arborist	305
Arbute	306
Arc	307
Arcade	308
Arcane	309
Arch	310
Archaic	311
Arched	312
Archer	313
Archives	314
Archly	315
Archon	316
Arctic	317
Ardent	318
Ardor	319
Arduous	320
Arefaction	321
Arefy	322
Arena	323
Areola	324
Argand	325
Argent	326
Argil	327
Argonaut	328
Argosy	329
Argue	330
Argument	331
Argute	332
Aria	333
Arian	334
Arid	335
Aridity	336
Aridness	337
Aries	338
Aright	339
Ariosa	340
Arise	341
Arles	342
Arm	343
Armada	344
Armament	345
Armature	346
Armful	347
Arminian	348
Armipotent	349
Armlet	350
Armor	351
Armorer	352
Armory	353
Armpit	354
Arms	355
Army	356
Arnotto	357
Aroma	358
Aromatic	359
Arose	360
Around	361
Arouse	362
Arpent	363
Arrack	364
Arraign	365
Arrange	366
Arrant	367
Arras	368
Array	369
Arrear	370
Arrest	371
Arret	372
Arrival	373
Arrive	374
Arrogant	375
Arrogate	376
Arrow	377
Arrowy	378
Arsenal	379
Arsenic	380
Arsis	381
Arson	382
Art	383
Artery	384
Artful	385
Article	386
Artifice	387
Artisan	388
Artist	389
Artistic	390
Artless	391
Asbestos	392
Ascend	393
Ascension	394
Ascent	395
Ascetic	396
Ascian	397
Ascites	398
Ash	399
Ashery	400
Ashes	401
Ashlar	402
Ashore	403
Ashy	404
Asiatic	405
Aside	406
Askance	407
Asker	408
Askew	409
Aslant	410
Asleep	411
Aslope	412
Asp	413
Aspect	414
Aspen	415
Asper	416
Asperity	417
Asperse	418
Asphalt	419
Asphodel	420
Asphyxy	421
Aspic	422
Aspirant	423
Aspirate	424
Aspire	425
Asquint	426
Assail	427
Assassin	428
Assault	429
Assay	430
Assemble	431
Assembly	432
Assent	433
Assert	434
Assertion	435
Assess	436
Assets	437
Assever	438
Assign	439
Assigner	440

NUMERALS—Continued.

Cipher	Number
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Assize	443
Associate	444
Assoil	445
Assonant	446
Assort	447
Assuage	448
Assume	449
Assumer	450
Assure	451
Asteism	452
Aster	453
Asterite	454
Astern	455
Asteroid	456
Asthma	457
Astonish	458
Astound	459
Astral	460
Astray	461
Astrict	462
Astride	463
Astringe	464
Astroite	465
Astute	466
Asunder	467
Asylum	468
Atabal	469
Athanor	470
Atheism	471
Atheist	472
Atheous	473
Athirst	474
Athlete	475
Athwart	476
Atilt	477
Atlas	478
Atom	479
Atomic	480
Atomist	481
Atomize	482
Atone	483
Atoner	484
Atonic	485
Atony	486
Atrium	487
Atrocity	488
Atrophy	489
Attach	490
Attack	491
Attain	492
Attaint	493
Attempt	494
Attend	495
Attest	496
Attic	497
Attire	498
Attitude	499
Attorn	500
Attract	501
Attribute	502
Attrite	503
Attrition	504
Attune	505
Auburn	506
Auction	507
Audacious	508
Audible	509
Audibly	510
Audience	511
Audit	512
Auditor	513
Augean	514
Auger	515
Aught	516
Augment	517
Augury	518
Auletic	519
Aulic	520
Aura	521
Aureola	522
Auricle	523
Aurist	524
Aurora	525
Auroral	526
Auspice	527
Austere	528
Austerity	529
Austral	530
Authentic	531
Author	532
Authority	533
Autocrat	534
Automatic	535
Automaton	536
Autonomy	537
Autopsy	538
Autumn	539
Auxiliar	540
Avail	541
Avarice	542
Avast	543
Avatar	544
Avaunt	545
Ave	546
Avenge	547
Avenger	548
Avenue	549
Aver	550
Average	551
Averse	552
Aversion	553
Avert	554
Aviary	555
Avidity	556
Avocate	557
Avoid	558
Avouch	559
Avow	560
Avowal	561
Avowed	562
Avulsion	563
Await	564
Awake	565
Awaken	566
Award	567
Aware	568
Away	569
Awe	570
Awful	571
Awhile	572
Awkward	573
Awl	574
Awning	575
Awnless	576
Awoke	577
Awry	578
Axe	579
Axial	580
Axiom	581
Axis	582
Axle	583
Aye	584
Ayry	585
Azote	586
Azotic	587
Azure	588
Baboon	589
Backed	590
Badge	591
Bag	592
Baited	593
Baker	594
Ballad	595
Ballot	596
Balmy	597
Balsam	598
Baltic	599
Bamboo	600
Bandit	601
Bandy	602
Bang	603
Banish	604
Banner	605
Bantam	606
Banter	607
Barb	608
Barber	609
Barcon	610
Barely	611
Barge	612
Barker	613
Barley	614
Baron	615
Barred	616
Barrow	617
Base	618
Bashful	619
Basin	620
Basket	621
Baste	622
Bat	623
Bath	624
Baton	625
Batter	626
Battle	627
Bawdy	628
Bayard	629
Bayou	630
Bazaar	631
Beacon	632
Bead	633
Beagle	634
Beaker	635
Beam	636
Beard	637
Beast	638
Beauty	639
Becket	640
Become	641
Bedrid	642
Beach	643
Beg	644
Behalf	645
Behead	646
Behold	647
Belay	648
Belch	649
Beldam	650
Belfry	651
Bellow	652
Belove	653
Belt	654
Belted	655
Bemoan	656
Bench	657
Bengal	658
Benigh	659
Bent	660
Benumb	661
Berate	662
Berlin	663
Berth	664
Beset	665
Bet	666
Betel	667
Betray	668
Betty	669
Bevy	670
Beware	671
Bias	672
Bib	673
Bible	674
Bicker	675
Bide	676
Biding	677
Bifold	678
Bigamy	679
Biggin	680
Bigot	681
Bijou	682
Bilbo	683
Billow	684
Bin	685
Binate	686
Bind	687
Bird	688
Bisk	689
Bit	690
Bite	691
Bitter	692
Blab	693
Bladder	694
Blade	695
Blain	696
Blame	697
Blanch	698
Blank	699
Blare	700
Blast	701
Blay	702
Blaze	703
Blazon	704
Blear	705
Bleed	706
Blight	707
Blink	708
Bloat	709
Blonde	710
Blood	711
Bloody	712
Bloom	713
Blotch	714
Blouse	715
Blown	716
Blue	717
Bluff	718
Blunder	719
Blunt	720
Blur	721
Blush	722
Bluster	723
Board	724
Boarder	725
Boast	726
Boasting	727
Boating	728
Bob	729
Body	730
Bog	731
Boil	732
Boiler	733
Bold	734
Bolster	735
Bolt	736
Bolter	737
Bolus	738
Bombard	739
Bond	740
Bondage	741
Bone	742
Bonfire	743
Bonnet	744
Bonny	745
Bonus	746
Booby	747
Book	748
Boom	749
Boor	750
Boose	751
Boosy	752
Boot	753
Booth	754
Borax	755
Bore	756
Born	757
Borrow	758
Bosom	759
Boss	760
Botany	761
Botch	762
Both	763
Bother	764
Bottle	765
Bottom	766
Bounce	767
Bouncer	768
Bound	769
Bounty	770
Bow	771
Boxer	772
Bracer	773
Brag	774
Brain	775
Bran	776
Branch	777
Brand	778
Brandy	779
Brass	780
Brave	781
Bray	782
Bread	783
Break	784
Breaker	785
Breast	786
Breath	787
Breeze	788
Brent	789
Bribe	790
Brick	791
Bridal	792
Bridge	793
Brief	794
Brig	795
Brilliant	796
Brills	797
Brim	798
Brinded	799
Brindle	800
Brine	801
Brinish	802
Brink	803
Brisk	804
Bristle	805
British	806
Briton	807
Brittle	808
Broad	809
Broadly	810
Brocade	811
Brock	812
Brogan	813
Brogue	814
Broil	815
Broke	816
Broken	817
Broker	818
Bromine	819
Bronze	820
Brooch	821
Brood	822
Brook	823
Broom	824
Broth	825
Brother	826
Brought	827
Brow	828
Brown	829
Brownie	830
Brownish	831
Browse	832
Bruin	833
Bruise	834
Brumal	835
Brunette	836
Brunt	837
Brush	838
Brusher	839
Brusk	840
Brutal	841
Brute	842
Brutify	843
Brutish	844
Bryony	845
Bub	846
Bubble	847
Bubo	848
Buck	849
Bucket	850
Buckle	851
Buckler	852
Buckram	853
Bucolic	854
Bud	855
Buddle	856
Budge	857
Budget	858
Buff	859
Buffer	860
Buffet	861
Buffo	862
Buffoon	863
Bug	864
Bugbear	865
Buggy	866
Bugle	867
Bugloss	868
Buhl	869
Build	870
Builder	871
Building	872
Bulb	873
Bulbaceous	874
Bulbed	875
Bulbous	876
Bulge	877
Bulimy	878
Bulk	879
Bulkiness	880
Bulky	881
Bull	882
Bullace	883
Bullary	884
Bulldog	885
Bullet	886
Bulletin	887
Bullfight	888
Bullfinch	889
Bullfrog	890
Bullhead	891
Bullion	892
Bullock	893
Bully	894
Bulrush	895
Bultel	896
Bulwark	897
Bum	898
Bumboat	899
Bumkin	900
Bump	901
Bumper	902
Bunch	903
Bunchy	904
Bundler	905
Bung	906
Bungalow	907
Bunghole	908
Bungle	909
Bungler	910
Bungling	911
Bunion	912
Bunk	913
Bunn	914
Buntine	915
Bunting	916
Buoy	917
Buoyancy	918
Buoyant	919
Bur	920
Burden	921
Burdock	922
Bureau	923
Burgage	924
Burgamot	925
Burgeois	926
Burgess	927
Burgh	928
Burgher	929
Burglar	930
Burgoo	931
Burgrave	932
Burgundy	933
Burial	934
Burin	935
Burke	936
Burl	937
Burlace	938
Burler	939
Burlesque	940
Burletta	941
Burliness	942
Burly	943
Burn	944
Burner	945
Burnet	946
Burning	947
Burnish	948
Burnishing	949
Burnt	950
Burrel	951
Burrock	952
Burrow	953
Bursar	954
Bursary	955
Burse	956
Burst	957
Burt	958
Burthen	959
Burton	960
Bury	961
Burying	962
Bush	963
Bushel	964
Bushiness	965
Bushy	966
Busily	967
Busk	968
Busket	969
Buskin	970
Busky	971
Buss	972
Bust	973
Bustard	974
Bustle	975
Bustler	976
Busy	977
Butcher	978
Butchery	979
Butler	980
Butment	981
Butt	982
Butter	983
Butterfly	984
Butteris	985
Buttermilk	986
Butternut	987
Buttery	988
Button	989
Buttress	990
Butyrine	991
Buxom	992
Buzz	993
Buzzard	994
Buzzer	995
Byard	996
Byberry	997
Byend	998
Byfield	999
Bygone	1000
Bylaw	2000
Byname	3000
Bypast	4000
Bypath	5000
Byre	6000
Byron	7000
Byrum	8000
Byssine	9000
Byssus	10000
Byview	20000
Byway	30000
Bywipe	40000
Byward	50000
Byzantine	60000

NUMERALS—Continued.

Pressed Standing Seam Roofing, Painted Steel.

Cipher	Description G. W. L.
Cab	28x24x120
Cabal	28x24x108
Cabbage	28x24x102
Cabin	28x24x 96
Cactus	28x24x 90
Cadet	28x24x 84
Cage	28x24x 72

Pressed Standing Seam Roofing, Galvanized.

	G. W. L.
Cake	28x24x120
Calf	28x24x108
Calico	28x24x102
Call	28x24x 96
Caller	28x24x 90
Came	28x24x 84
Camel	28x24x 72

Pressed Standing Seam Roofing, Corrugated and Painted

	G. W. L.
Cameo	28x24x120
Camera	28x24x108
Camlet	28x24x102
Camp	28x24x 96
Canal	28x24x 90
Canary	28x24x 84
Cancer	28x24x 72

Pressed Standing Seam Roofing, Corrugated Galvanized.

	G. W. L.
Candid	28x24x120
Candle	28x24x108
Candor	28x24x102
Candy	28x24x 96
Cannon	28x24x 90
Canoe	28x24x 84
Canopy	28x24x 72

For Nails and Dry Paint add: Canvas.

Beaded, Pressed Standing Seam Roofing, Painted Steel.

	G. W. L.
Cap	28x24x120
Caper	28x24x108
Captor	28x24x102
Carbon	28x24x 96
Card	28x24x 90
Cave	28x24x 84
Cement	28x24x 72

For Nails and Dry Paint add: Canvas.

Beaded Pressed Standing Seam Roofing, Galvanized.

	G. W. L.
Chap	28x24x120
Chapel	28x24x102
Chapter	28x24x108
Charm	28x24x 96
Chart	28x24x 90
Chat	28x24x 84
Check	28x24x 72

For Nails and Dry Paint add: Canvas.

Self-Capping Roll-Roofing, Painted.

Checker	No. 28x26½x50 ft.

Galvanized.

Cheek	No. 28x26½x50 ft.

For Nails and Dry Paint add: Canvas.

Roll and Cap Steel Roofing, Outside Cleats, Painted.

Cheer	No. 28x26½x50 ft.

Galvanized.

Chest	No. 28x26½x50 ft.

For Nails and Dry Paint add: Canvas.

Roll and Cap Steel Roofing with Protected Cleats, Painted.

Chief	No. 28x26x50 ft.

Galvanized.

Chilly	No. 28x26x50 ft.

For Nails and Dry Paint add: Canvas.

V Crimp Roofing, Painted.

	G. W. L.
Chink	28x24x120
Chisel	28x24x108
Choice	28x24x102
Churn	28x24x 96
Cider	28x24x 90
Cinder	28x24x 84
Circus	28x24x 72

V Crimp Roofing, Galvanized.

Cipher	Description
Citron	28x24x120
Civil	28x24x108
Clad	28x24x102
Claim	28x24x 96
Clamp	28x24x 90
Clan	28x24x 84
Clap	28x24x 72

3-V Crimp Roofing, Painted.

	G. W. L.
Claret	28x24x120
Clash	28x24x108
Clasp	28x24x102
Class	28x24x 96
Clay	28x24x 90
Clean	28x24x 84
Cleft	28x24x 72

3-V Crimped Roofing, Galvanized.

	G. W. L.
Clergy	28x24x120
Clever	28x24x108
Click	28x24x102
Climax	28x24x 96
Cling	28x24x 90
Clip	28x24x 84
Cloak	28x24x 72

3-16 Crimp Beaded, Painted.

	G. W. L.
Clock	28x24x120
Closet	28x24x108
Cloudy	28x24x 96
Cloy	28x24x 84
Club	28x24x 72

3-16 Crimp Beaded, Galvanized.

Clumsy	28x24x120
Clung	28x24x108
Coach	28x24x 96
Coast	28x24x 84
Coax	28x24x 72

Weather Board Siding, Painted.

Cobble	28x24x120
Cobweb	28x24x108
Cock	28x24x 96
Cocoa	28x24x 84
Cod	28x24x 72

Weather Board Siding, Galvanized.

Coerce	28x24x120
Coffee	28x24x108
Coffin	28x24x 96
Cog	28x24x 84
Coin	28x24x 72

Pressed Brick Siding, Painted.

Cold	No. 28x26½x51½ in.

Galvanized.

College	No. 28x26½x51½ in.

Rock Face Brick Siding, Painted.

Cologne	No. 28x26½x51½

Galvanized.

Colonel	No. 28x26½x51½

Rock Face Stone Siding, Painted.

Colony	No. 28x26½x51½

Galvanized.

Color	No. 28x26½x51½

For Nails and Dry Paint add: Canvas.

Continuous Tin Roofing, Painted Under Side.

Comb	Margaret IC
Combat	Margaret IX
Combine	Nelson IC
Comedy	Nelson IX
Comely	Eleanor IC
Comet	Eleanor IX
Comfort	Wylie IC

For not Painted add: Comic.

Tin Valleys, Painted Both Sides.

Coming	Margaret IC 10-in.
Corunna	Margaret IX 10-in.
Command	Margaret IC 14-in.
Comment	Margaret IX 14-in.
Commerce	Margaret IC 20-in.
Commode	Margaret IX 20-in.
Common	Margaret IC 28-in.
Company	Margaret IX 28-in.
Compare	Nelson IC 10-in.
Compass	Nelson IX 10-in.
Compel	Nelson IC 14-in.

Cipher	Description
Complete	Nelson IX 14-in.
Complex	Nelson IC 20-in.
Comply	Nelson IX 20-in.
Compose	Nelson IC 28-in.
Compound	Nelson IX 28-in.
Compress	Eleanor IC 10-in.
Comprise	Eleanor IX 10-in.
Comrade	Eleanor IC 14-in.
Conceal	Eleanor IX 14-in.
Conceit	Eleanor IC 20-in.
Conceive	Eleanor IX 20-in.
Concern	Eleanor IC 28-in.
Concert	Eleanor IX 28-in.
Conclude	Wylie IC 10-in.
Concrete	Wylie IC 14-in.
Condemn	Wylie IC 20-in.
Condense	Wylie IC 28-in.

For not Painted add: Comic.

Tin Gutters, Painted Under Side.

Conduct	Margaret IC 10-in.
Conductor	Margaret IX 10-in.
Coney	Margaret IC 14-in.
Confer	Margaret IX 14-in.
Confess	Margaret IC 20-in.
Confide	Margaret IX 20-in.
Confirm	Margaret IC 28-in.
Congress	Margaret IX 28-in.
Conical	Nelson IC 10-in.
Conjure	Nelson IX 10-in.
Connect	Nelson IC 14-in.
Conquer	Nelson IX 14-in.
Consider	Nelson IC 20-in.
Consign	Nelson IX 20-in.
Console	Nelson IC 28-in.
Contain	Nelson IX 28-in.
Contract	Eleanor IC 10-in.
Contractor	Eleanor IX 10-in.
Control	Eleanor IC 14-in.
Convent	Eleanor IX 14-in.
Converse	Eleanor IC 20-in.
Convert	Eleanor IX 20-in.
Convict	Eleanor IC 28-in.
Convince	Eleanor IX 28-in.
Cook	Wylie IC 10-in.
Cooker	Wylie IC 14-in.
Cool	Wylie IC 20-in.
Cooler	Wylie IC 28-in.

Tin Roofing, Flat Seam, Painted Under Side.

Cord	Margaret IC
Cork	Margaret IX
Cordial	Nelson IC
Correct	Nelson IX
Corrode	Eleanor IC
Corrupt	Eleanor IX
Corset	Wylie IC

Tin Flashings—Painted Both Sides.

Cost	4x 5	Margaret IC
Cotton	5x 7	Margaret IC
Cough	7x10	Margaret IC
Could	4x 5	Nelson IC
Council	5x 7	Nelson IC
Count	7x10	Nelson IC
Country	4x 5	Eleanor IC
Couple	5x 7	Eleanor IC
Courage	7x10	Eleanor IC
Courier	4x 5	Wylie IC
Course	5x 7	Wylie IC
Court	7x10	Wylie IC

Roofing Plates—Old Style.

Dab	Margaret IC 20x28
Dace	Margaret IC 14x20
Dado	Margaret IX 20x28
Daff	Margaret IX 14x20
Dagger	Nelson IC 20x28
Dahlia	Nelson IC 14x20
Daily	Nelson IX 20x28
Dainty	Nelson IX 14x20
Dairy	Helen IC 20x28
Daisy	Helen IC 14x20

Roofing Plates—Machine Made.

Dale	Eleanor IC 20x28
Daily	Eleanor IC 14x20
Dam	Eleanor IX 20x28
Damage	Eleanor IX 14x20
Damask	Wylie 200 lbs. 20x28
Dame	Wylie 100 lbs. 14x20

Roofing Plates—Wasters.

Damp	Boyd IC 20x28
Damper	Boyd IC 14x20
Damsel	Boyd IX 20x28
Damson	Boyd IX 14x20
Dan	Manning 200 lbs. 20x28
Dance	Manning 100 lbs. 14x20

Bright Tin Plate—Charcoal.

Cipher	Description
Dancer	Wheeling IC 20x28
Dancing	Wheeling IC 14x20
Dandle	Wheeling IX 20x28
Dandruff	Wheeling IX 14x20
Dandy	Wheeling IXX 20x28
Dane	Wheeling IXX 14x20
Danger	Ft. Henry IC 20x28
Dangle	Ft. Henry IC 14x20
Danish	Ft. Henry IX 20x28
Dapper	Ft. Henry IX 14x20
Dapple	Ft. Henry IXX 20x28
Dare	Ft. Henry IXX 14x20
Daring	Ewing 200 lbs. 20x28
Dark	Ewing 100 lbs. 14x20

Wasters.

Darken	Grafton IC 20x28
Darkly	Grafton IC 14x20
Darling	Grafton IX 20x28
Darn	Grafton IX 14x20

Coke Plates.

Darnel	Thayer 180 lbs. 20x28
Darning	Thayer 90 lbs. 14x20
Dart	Thayer 190 lbs. 20x28
Dash	Thayer 95 lbs. 14x20
Dasher	Thayer 200 lbs. 20x28
Dashing	Thayer 100 lbs. 14x20
Date	Thayer IC 20x28
Dative	Thayer IC 14x20
Daub	Thayer IX 20x28
Daughter	Thayer IX 14x20

Coke Wasters.

Daunt	Hervey 180 lbs. 20x28
Dawdle	Hervey 90 lbs. 14x20
Dawn	Hervey 190 lbs. 20x28
Day	Hervey 95 lbs. 14x20
Daze	Hervey 200 lbs. 20x28
Dazzle	Hervey 100 lbs. 14x20
Deacon	Hervey IC 20x28
Dead	Hervey IC 14x20
Deadly	Hervey IX 20x28
Deaf	Hervey IX 14x20

Heater Pipe Tin.

Deal	IC 20x23
Dean	IC 20x26
Dearth	IC 20x29½
Death	IC 20x32½
Debit	IC 20x36
Debtor	IC 20x39
Decade	IC 14x20
Decamp	IC 202x8
Decay	IX 20x23
Deceit	IX 20x26
Deceive	IX 20x29½
Decent	IX 20x32½
Decide	IX 20x36
Decimal	IX 20x39
Deck	IX 14x20
Declaim	IX 20x28

Conductor Pipe.

Delta	2 inch size
Delude	3 inch size
Deluge	4 inch size
Demise	5 inch size
Demon	6 inch size
Den	1¾ inch x 2¼ inch size
Denial	1⅞ inch x 2⅞ inch size
Denote	2¼ inch x 3⅞ inch size
Dense	3⅛ inch x 4¾ inch size
Dental	3¾ inch x 5¾ inch size
Deny	Galvanized corrugated round
Depart	Copper corrugated round, 14 oz.
Deport	Copper corrugated round, 16 oz.
Depose	Galvanized corrugated square
Depot	Copper corrugated square, 14 oz.
Device	Copper corrugated square, 16 oz.
Devoid	Galvanized plain round lock seam
Devote	IX terne plain round lock seam
Dexter	Copper, 14 oz. plain round lock seam
Dey	Copper, 16 oz. plain round lock seam

Sizes Corrugated and Crimped Elbows.

Diadem	2 inch No. 1
Dial	2 inch No. 2
Dicky	2 inch No. 3
Differ	2-inch No. 4
Dig	3-inch No. 1
Digest	3-inch No. 2
Dike	3-inch No. 3
Dimity	3-inch No. 4
Dimly	4-inch No. 1
Dimple	4-inch No. 2
Din	4-inch No. 3
Dined	4-inch No. 4
Dingy	5-inch No. 1
Dinner	5-inch No. 2

NUMERALS—Continued.

Sizes Corrugated and Crimped Elbows—Continued.

Cipher	Description
Direct	5-inch No. 3
Divide	5-inch No. 4
Donkey	6-inch No. 1
Dorp	6-inch No. 2
Dorsal	6-inch No. 3
Dose	6-inch No. 4

Elbows.

Drag	Galvanized corrugated round
Dragon	Galvanized corrugated square
Drain	Copper corrugated round
Drake	Copper corrugated square
Drama	Galvanized plain crimp round
Drank	Tin plain crimp round
Draper	Galvanized adjustable
Drawl	Tin adjustable

Shoes.

Drove	Galvanized corrugated round
Drowsy	Copper corrugated round
Drug	Galvanized corrugated square
Dry	Copper corrugated square
Dual	Galvanized plain crimp
Duck	Tin plain crimp

Sizes of Corrugated and Crimped Shoes.

Ductile	2-inch
Dud	3-inch
Dudgeon	4-inch
Due	5-inch
Duenna	6-inch

Adjustable Elbows.

Duet	2 -inch
Duffer	3 -inch
Dug	3½-inch
Duke	4 -inch
Dulcet	5 -inch
Dull	6 -inch

Conductor Hooks.

Eager	Sickle hooks, wood
Eagle	Sickle hooks, brick
Ear	Corrugated hinged hooks, wood
Earth	Corrugated hinged hooks, brick
Ease	Round hinged hooks, wood
Easel	Round hinged hooks, brick
East	Square wired hooks, wood
Eat	Square wired hooks, brick
Eating	Round wired hooks, wood
Eaves	Round wired hooks, brick
Ebb	Flashing hooks

Sizes Conductor and Flashing Hooks.

Ebony	1½-inch
Echo	2 -inch
Eddy	2½-inch
Eden	3 -inch
Edge	3½-inch
Edgin	4 -inch
Edify	5 -inch
Edit	5½-inch
Editor	6 -inch

Sizes Eaves Troughs.

Effect	3 -inch
Effigy	3½-inch
Effort	4 -inch
Egad	5 -inch
Eggs	6 -inch
Egis	7 -inch
Egress	8 -inch

Eaves Troughs.

Egret	Galvanized slip, ½ R. ½ L.
Elain	Galvanized slip, right hand.
Elated	Galvanized slip, left hand.
Elbow	IX terne slip, ½ R. ½ L.
Eldest	IX terne slip, right hand.
Elect	IX terne slip, left hand.
Elk	Galvanized lap.
Embalm	IX terne lap.
Embank	Galvanized double bead, slip, right hand.
Embark	Galvanized double bead, slip, ½ R. ½ L.
Embers	Galvanized double bead, slip, left hand.
Emblem	IX terne double bead, slip, ½ R. ½ L.
Emerge	IX terne double bead, slip, right hand.
Emery	IX terne double bea , slip, left hand

Hangers.

Empire	Standard wire
Employ	Imperial, with rods and nuts
Empty	Imperial, with straps riveted

Miters.

Cipher	Description
Entry	Galvanized inner mitres, slip joint, R. H.
Envied	Galvanized inner mitres, slip joint, L. H.
Epoch	Galvanized outer mitres, slip joint, R. H.
Equip	Galvanized outer miters, slip joint, L. H.
Equity	Galvanized outer mitres, lap joint.
Erase	Galvanized inner miters, lap joint.
Erect	Terne inner mitres, slip joint, R. H.
Ergot	Terne inner mitres, slip joint, L. H.
Ermine	Terne outer mitres, slip joint, R. H.
Errand	Terne outer mitres, slip joint, L. H.
Error	Terne outer mitres, lap joint.
Erst	Terne inner mitres, lap joint.

Galvanized Roof Gutter.

Evil	Style A
Evoke	Style B
Exact	14-inch girt
Excise	15-inch girt
Excuse	20-inch girt
Exhort	24-inch girt
Exile	28-inch girt
Exit	30-inch girt

Quarter Circle, O G and Box Gutters.

Exodus	Style C
Expand	Style D
Expect	Style E
Expel	Style F
Expire	Style G
Expose	Style H
Extort	Style J
Exude	6-inch size
Exult	5-inch size
Eye	7-inch size
Eyebrow	8-inch size
Eyelash	9-inch size

Cornice and Roof Gutter.

Eyelet	Galvanized, style K

Use Roof Gutter Code for Girt.

Galvanized Valley.

Face	Style A
Fact	Style B
Factor	10-inch girt
Factory	12-inch girt
Faculty	14-inch girt
Fade	16-inch girt
Fag	20-inch girt

Rainbow Cut-Off.

Fail	2 -inch galvanized
Failing	2½-inch galvanized
Failure	3 -inch galvanized
Faint	3½-inch galvanized
Faintly	4 -inch galvanized
Faints	5 -inch galvanized
Fairly	6 -inch galvanized
Fairness	2 -inch Tin
Faith	2½-inch Tin
Fake	3 -inch Tin
Fakin	3½-inch Tin
Falcon	4 -inch Tin
Fall	5 -inch Tin
False	6 -inch Tin

Juniata Galvanized Iron.

	G. W. L.
Gab	28x30 x124
Gabble	28x28 x124
Gad	28x24 x124
Gadder	28x30¾x120
Gaft	28x30 x120
Gaffer	28x28 x120
Gag	28x26½x120
Gager	28x24 x120
Gaggle	28x36 x 96
Gaiety	28x30 x 96
Gaily	28x28 x 96
Gain	28x26 x 96
Gainer	28x24 x 96
Gainless	27x36 x 96
Gainly	27x30 x 96
Gainsay	27x28 x 96
Gairish	27-26 x 96
Gait	27x24 x 96
Gaiter	26x36 x 96
Gala	26x30 x 96
Galaxy	26x28 x 96
Gale	26x26 x 96
Galena	26x24 x 96
Galiot	24x36 x 96
Gall	24x30 x 96
Gallant	24x28 x 96
Gallery	24x26 x 96
Galley	24x24 x 96
Galliard	22x36 x 96
Gallic	22x30 x 96

Cipher	Description
Gallipot	22x26 x 96
Gallon	22x24 x 96
Gallop	20x36 x 96
Gally	20x30 x 96
Galoche	20x28 x 96
Galsome	20x26 x 96
Galvanic	20x24 x 96
Gambado	18x36 x 96
Gambit	18x30 x 96
Gamble	18x28 x 96
Game	18x26 x 96
Gaming	18x24 x 96
Gamer	16x36 x 96
Gammon	16x30 x 96
Gamut	16x28 x 96
Gander	16x26 x 96
Gang	16x24 x 96

For Refined add: Gangrene.
For Blistered add: Gannet.
For 84-inch add: Gantlet.
For 72-inch add: Gap.
For 3-16 inch Crimped Galvanized Sheets, use the Galvanized Iron Cipher, adding the word: Garb.

Black Steel Sheets.

	G. W. L.
Garbage	28x30 x124
Garble	28x28 x124
Garden	28x24 x124
Garget	28x30¾x120
Gargle	28x30 x120
Garland	28x28 x120
Garlic	28x26½x120
Garment	28x26 x120
Garner	28x24 x120
Garnet	28x26½x108
Garnish	28x26 x108
Garret	28x26½x102
Garron	28x26 x102
Garrote	28x36 x 96
Garrulous	28x30 x 96
Garter	28x28 x 96
Gas	28x26½x 96
Gash	28x26 x 96
Gaskets	28x24 x 96
Gasp	28x26½x 90
Gastric	28x26½x 84
Gastritis	28x26 x 84
Gat	28x26½x 72
Gate	28x26 x 72
Gather	28x27½x 52
Gaudy	28x27 x 51½
Gault	27x36x96
Gaunt	27x30x96
Gauze	27x28x96
Gave	27x26x96
Gavel	27x24x96
Gavot	26x36x96
Gawk	26x30x96
Gay	26x28x96
Gayly	26x26x96
Gaze	26x24x96
Gazelle	24x36x96
Gazer	24x30x96
Gazette	24x28x96
Gazon	24x26x96
Gear	24x24x96
Gearing	22x36x96
Gee	22x30x96
Geese	22x28x96
Geld	22x26x96
Gelid	22x24x96
Gem	20x36x96
Gemel	20x30x96
Gemini	20x28x96
Gemmary	20x26x96
Gemmy	20x24x96
Gender	18x36x96
Genera	18x30x96
General	18x28x96
Generic	18x26x96
Generous	18x24x96
Genesis	16x36x96
Genet	16x30x96
Genetic	16x28x96
Geneva	16x26x96
Genial	16x24x96

Semi-Steel Sheets.

Genitor	28x26½x120
Genius	28x26½x108
Genteel	28x26½x 96
Gentian	28x26½x 84
Gentile	28x26½x 72

Black Iron Sheets.

Gently	28x30x120
Gentry	28x28x120
Genuine	28x30x108
Genus	28x28x108
Geology	28x30x 96

Cipher	Description
Geometry	28x28x 96
Georama	28x30x 84
George	28x28x 84
Germ	28x30x 72
German	28x28x 72
Gerund	27x30x120
Gesture	27x28x120
Getter	27x30x108
Gewgaw	27x28x108
Ghastly	27x30x 96
Gherkin	27x28x 96
Ghost	27x30x 84
Ghostly	27x28x 84
Ghoul	27x30x 72
Giant	27x28x 72
Giaour	26x30x120
Gibber	26x28x120
Gibbet	26x30x108
Gibe	26x28x108
Giber	26x30x 96
Giblets	26x28x 96
Giddily	26x30x 84
Giddy	26x28x 84
Gift	26x30x 72
Gifted	26x28x 72

For 3-16 inch Painted Crimped, use Iron or Steel Cipher, adding: Gig.

Stove Pipe, Iron, Common.

Giggle	28x24x101
Gigot	28x24x 96
Gild	27x24x101
Gilder	27x24x 96
Gilding	26x24x101
Gill	26x24x 96
Gimlet	24x24x101
Gimp	24x24x 96

Stove Pipe, Steel.

Gin	28x24x101
Ginger	28x24x 96
Gingham	27x24x101
Gingle	27x24x 96
Ginseng	26x24x101
Giraffe	26x24x 96
Gird	24x24x101
Girdle	24x24x 96

Stove Pipe Steel, R. G., Cold Rolled.

	G. W. L.
Girl	28x24x101
Girlish	28x24x 96
Girth	27x24x101
Gist	27x24x 96
Gizzard	26x24x101
Glacial	26x24x 96
Glaciate	24x24x101
Glacier	24x24x 96

Corrugated Iron, Painted, 2½-inch Size, Corrugations, Covering Width 24 inches.

	G. W. L.
Glacious	28x26x120
Glacis	28x26x108
Glad	28x26x 96
Gladden	28x26x 84
Glade	28x26x 72
Gladiate	27x26x120
Gladly	27x26x108
Gladness	27x26x 96
Glance	27x26x 84
Gland	27x26x 72
Glare	26x26x120
Glaring	26x26x108
Glass	26x26x 96
Glassy	26x26x 84
Glave	26x26x 72
Glaze	24x26x120
Glazier	24x26x108
Glazing	24x26x 96
Gleam	24x26x 84
Gleaner	24x26x 72
Glebe	22x26x120
Gleen	22x26x108
Glib	22x26x 96
Glibly	22x26x 84
Glide	22x26x 72
Glimmer	20x26x120
Glimpse	20x26x108
Glisten	20x26x 96
Glister	20x26x 84
Glitter	20x26x 72
Gloar	18x26x120
Gloat	18x26x108
Globate	18x26x 96
Globe	18x26x 84
Globule	18x26x 72
Glode	16x26x120
Glome	16x26x108
Gloom	16x26x 96
Gloomy	16x26x 84
Glorify	16x26x 72

NUMERALS—Continued.

Corrugated Galvanized, 2½-inch Size Corrugations, Covering Width 24 inches.

Cipher	Description G. W. L.
Glory	28x26x120
Gloss	28x26x108
Glosser	28x26x 96
Glottis	28x26x 84
Glout	28x26x 72
Glove	27x26x120
Glover	27x26x108
Glow	27x26x 96
Glowing	27x26x 84
Gloze	27x26x 72
Glozer	26x26x120
Glue	26x26x108
Glum	26x26x 96
Glut	26x26x 84
Gluten	26x26x 72
Gluttonous	24x26x120
Glyph	24x26x108
Gnarl	24x26x 96
Gnash	24x26x 84
Gnat	24x26x 72
Gnaw	22x26x120
Gnome	22x26x108
Gnomon	22x26x 96
Gnostic	22x26x 84
Gnu	22x26x 72
Goad	20x26x120
Goal	20x26x108
Goat	20x26x 96
Gobble	20x26x 84
Goblet	20x26x 72
Goblin	18x26x120
Gocart	18x26x108
Goddess	18x26x 96
Godly	18x26x 84
Godsend	16x26x120
Goff	16x26x108
Gog	16x26x 96
Goggle	16x26x 84
Going	16x26x 72

Corrugated Iron, Painted, 1¼-inch, Size Corrugations, Covering Width 24 Inches.

	G. W. L.
Goitre	28x25¼x120
Gola	28x25¼x108
Gold	28x25¼x 96
Golden	28x25¼x 84
Golf	28x25¼x 72
Gondola	27x25¼x120
Gong	27x25¼x108
Good	27x25¼x 96
Goodness	27x25¼x 84
Goody	27x25¼x 72
Goose	26x25¼x120
Gopher	26x25¼x108
Gordian	26x25¼x 96
Gore	26x25¼x 84
Gorge	26x25¼x 72
Gorgeous	24x25¼x120
Gorget	24x25¼x108
Gorgon	24x25¼x 96
Gormand	24x25¼x 84
Gorse	24x25¼x 72
Gory	22x25¼x120
Gosling	22x25¼x108
Gospel	22x25¼x 96
Goss	22x25¼x 84
Gossamer	22x25¼x 72

Corrugated Galvanized, 1¼-inch, Size Corrugations, Covering Width 24 Inches.

	G. W. L.
Gossip	28x25¼x120
Gossoon	28x25¼x108
Goth	28x25¼x 96
Gothic	28x25¼x 84
Gotten	28x25¼x 72
Gouge	27x25¼x120
Goulard	27x25¼x108
Gourd	27x25¼x 96
Gout	27x25¼x 84
Govern	27x25¼x 72
Gowk	26x25¼x120
Gown	26x25¼x108
Grab	26x25¼x 96
Grace	26x25¼x 84
Graces	26x25¼x 72
Gracious	24x25¼x120
Grade	24x25¼x108
Gradual	24x25¼x 96
Gradus	24x25¼x 84
Graff	24x25¼x 72
Grail	22x25¼x120
Grain	22x25¼x108
Grallic	22x25¼x 96
Grammar	22x25¼x 84
Grampus	22x25¼x 72

Corrugated Iron, Painted, ⅝-inch, Size Corrugations, Covering Width 24 Inches.

	G. W. L.
Granary	28x25x96
Grand	28x25x84
Grandeur	28x25x72
Grandly	27x25x96
Grange	27x25x84
Granite	27x25x72
Grant	26x25x96
Grape	26x25x84
Grapery	26x25x72
Graphic	24x25x96
Grapnel	24x25x84
Grapple	24x25x72

Corrugated Galvanized, ⅝-inch, Size Corrugations, Covering Width 24 Inches.

	G. W. L.
Grapy	28x25x 96
Grasp	28x25x 84
Grass	28x25x 72
Grate	27x25x 96
Grater	27x25x 84
Grating	27x25x 72
Gratis	26x25x 96
Grave	26x25x 84
Gravel	26x25x 72
Gravely	24x25x 96
Graver	24x25x 84
Graving	24x25x 72

Ceiling Plates.

Cipher Squares.	Cipher Pieces.	Number
Habit	Hack	142
Had	Hag	146
Haggard	Haggle	162
Hail	Hair	164
Hairy	Hake	175
Hale	Half	177
Hall	Hallow	180
Halt	Halter	181
Ham	Hamlet	184
Hemmer	Hammock	187
Hamper	Hand	188
Handle	Handling	189
Handy	Hang	199
Hanger	Hank	200
Happen	Happy	203
Harall	Harbor	204
Hard	Harden	205
Hardly	Hare	206
Harem	Hark	207
Harlot	Harm	208
Harmful	Harmless	209
Harmony	Harness	210
Harp	Harper	211
Harpoon	Harrow	212
Harry	Harsh	214
Harshly	Hart	216
Harvest	Hash	219
Hasp	Haste	223
Hasten	Hastily	224
Hasty	Hat	225
Hatch	Hatchet	226
Hate	Hateful	227
Hatred	Hatter	228
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Haul	Have	250
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Hebrew	Hector	169
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Heed	Heedful	179
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	Hem	194
	Hemlock	195
Hemp	Hence	230
	Hep	231
	Her	232
	Herald	233
Heraldry	Herb	234

Cipher Lin. Ft.	Cipher 4 ft. Pieces.	Number
	Herbage	235
	Herby	236
	Here	237
Heresy	Hermit	238
Hero	Hest	239
Hewer	Hide	241
	Hiding	242
	High	243
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House	Housing	198
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Howdy	Howl	240
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Huckle	Huddle	2051
Huff	Huffer	2052
Huffy	Hug	2053
Huge	Hugely	2054

Centers.

Cipher	Number
Humble	253
Humbler	1001
Humbug	1050
Hummer	2000
Humor	2001
Hump	2002
Hunch	2003
Hunger	2004
Hungry	2005
Hunt	2006
Hunter	2007
Hurdle	2008
Hurl	2009
Hurrah	2010
Hurry	2011
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